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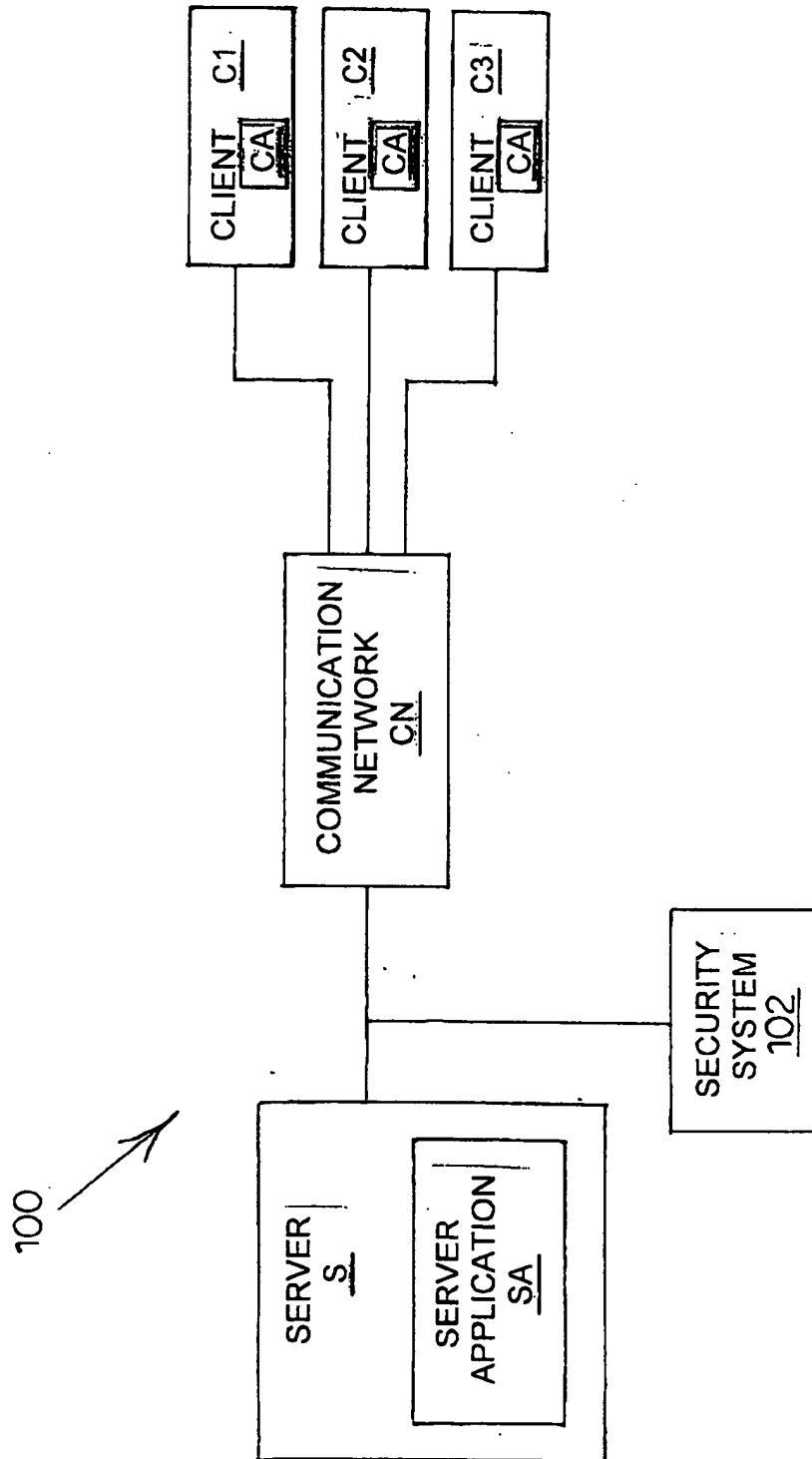


Fig. 1A

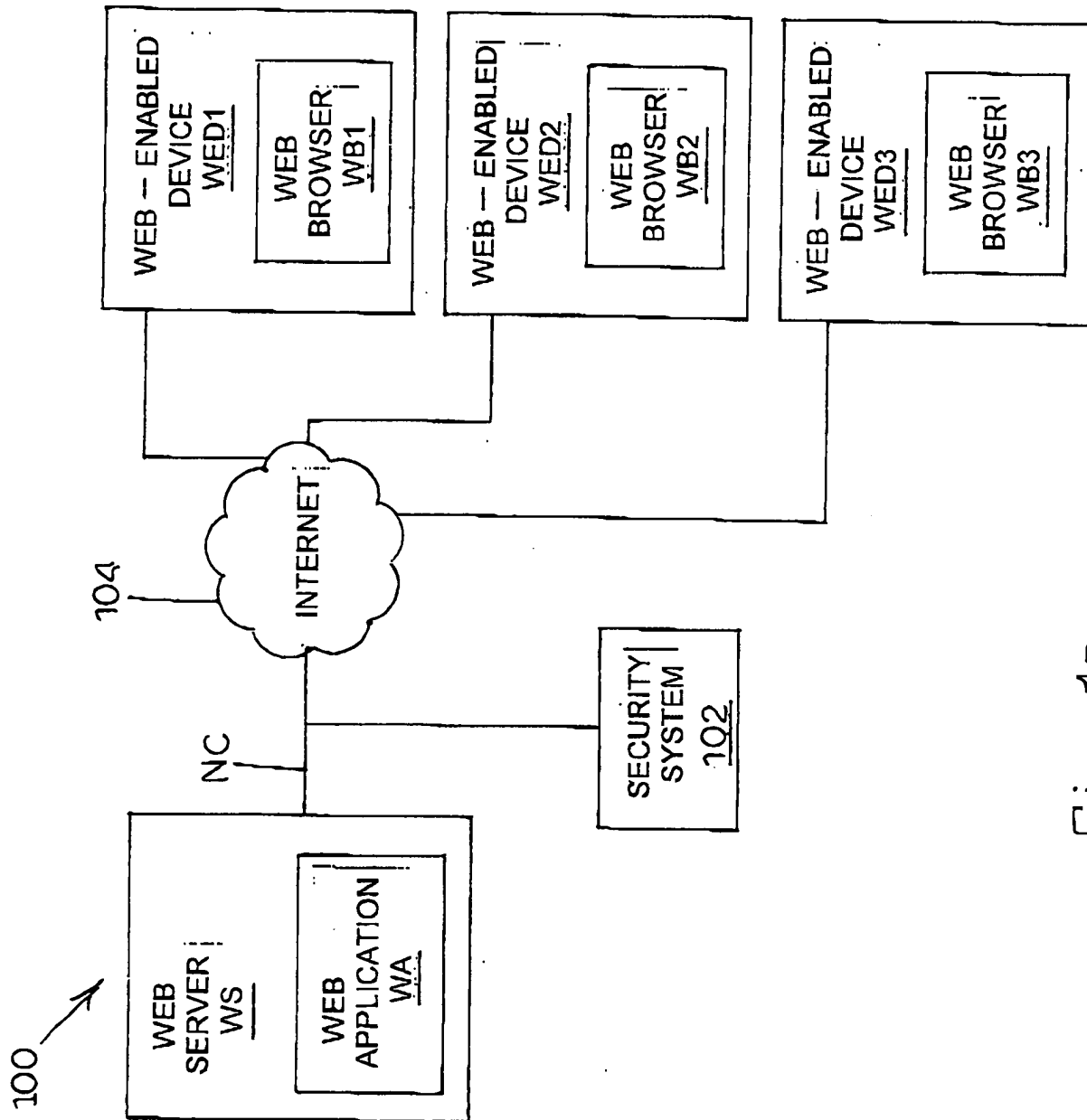


Fig. 1B

FIG. 2

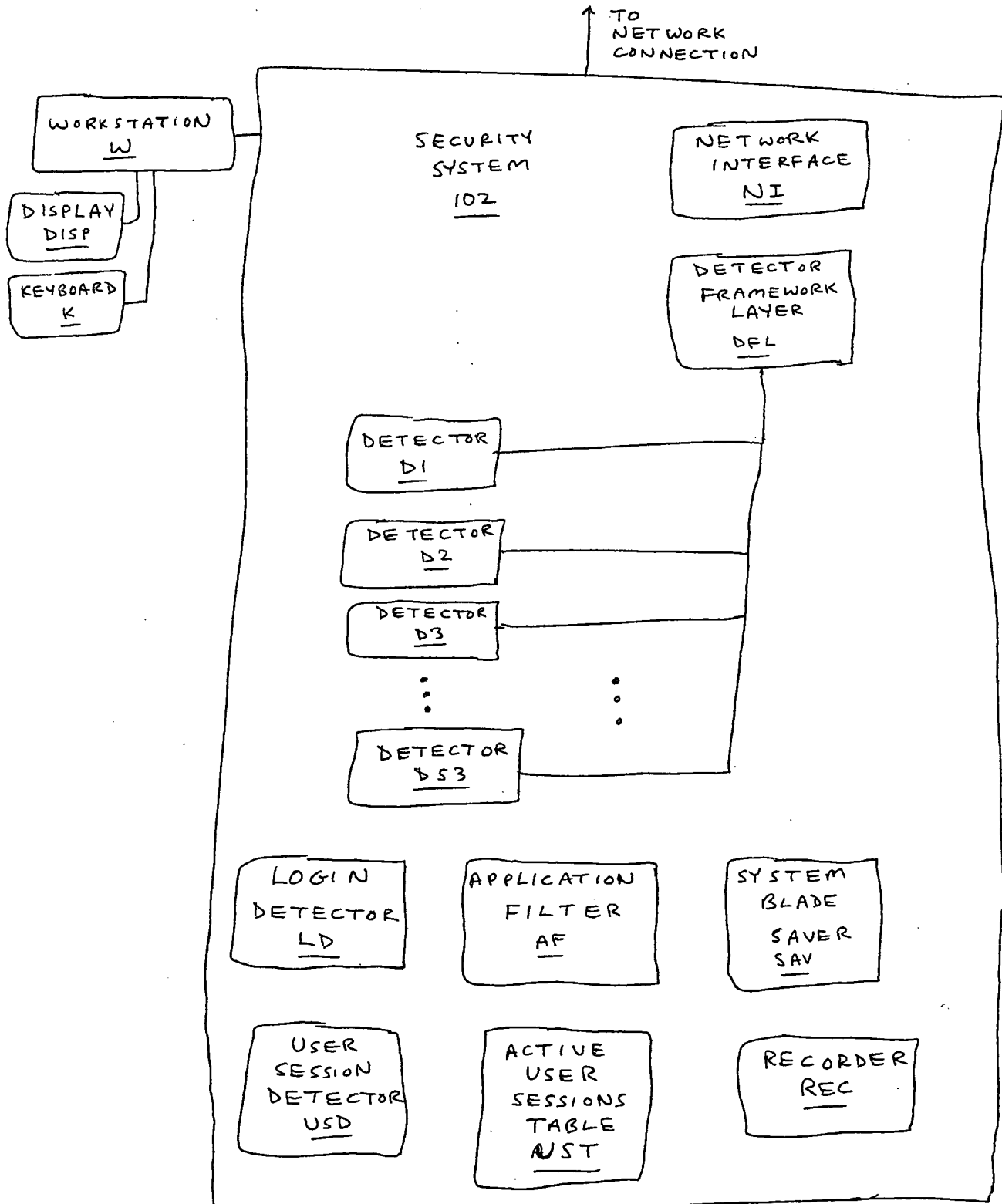


FIG. 3

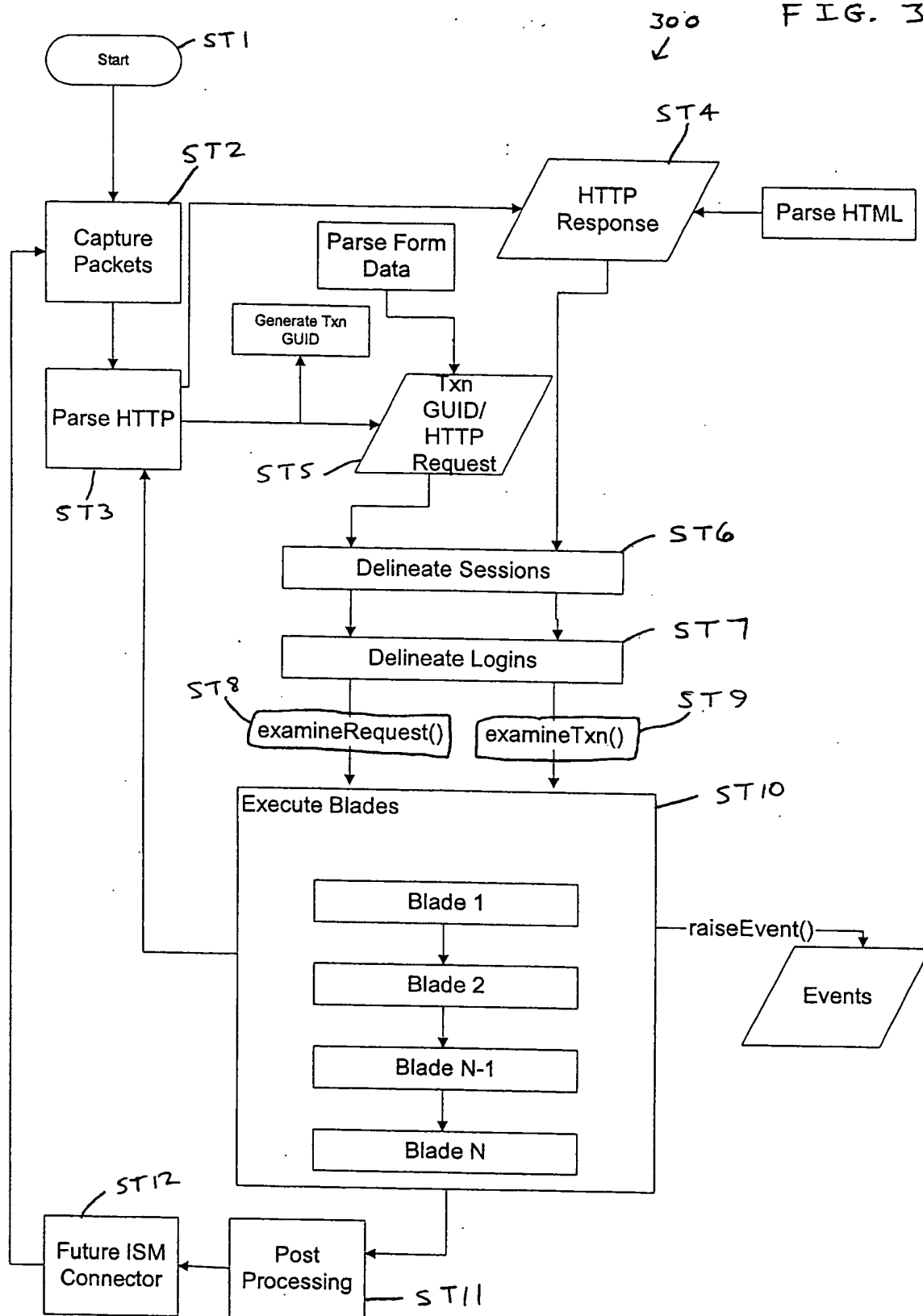


FIG. 4

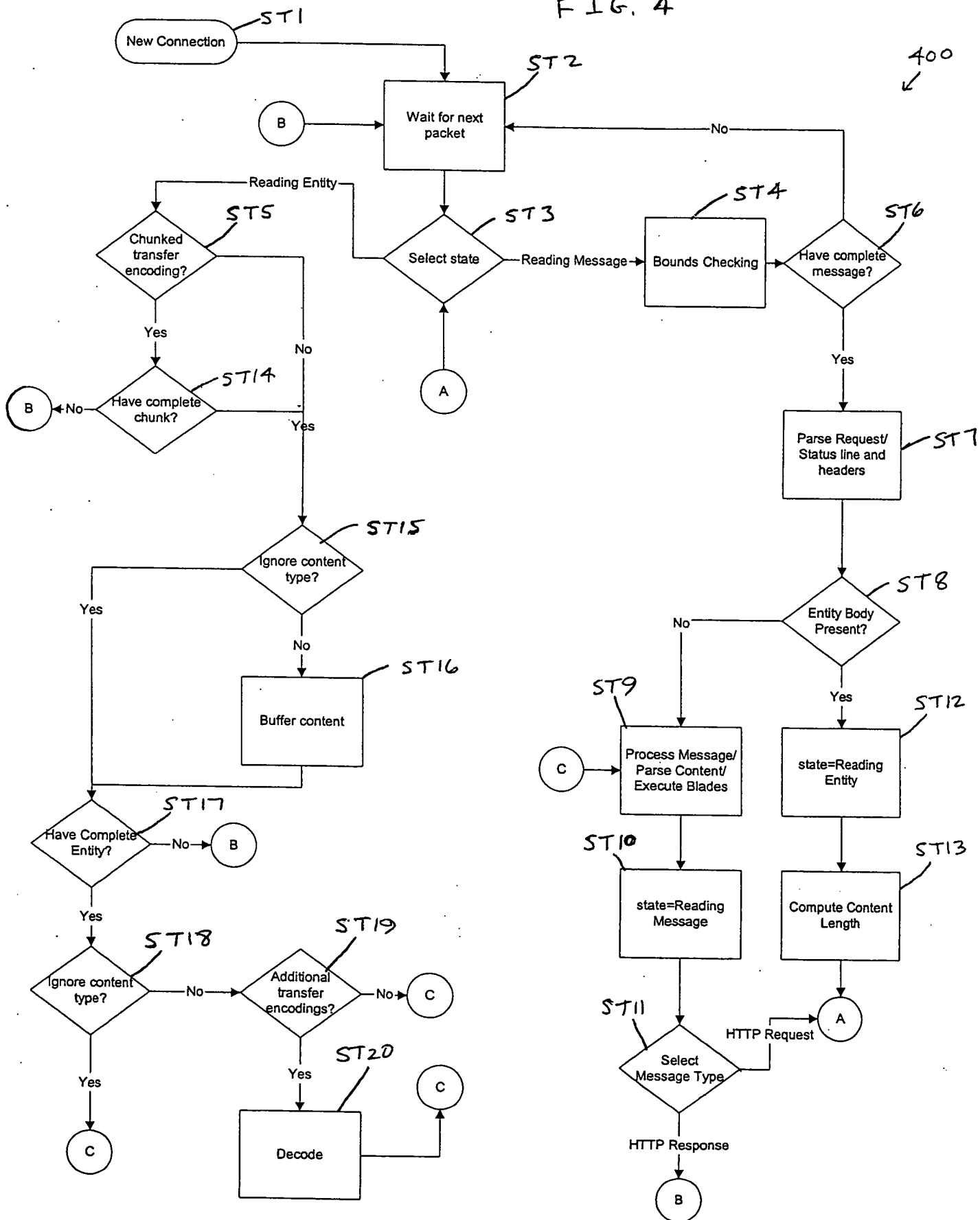
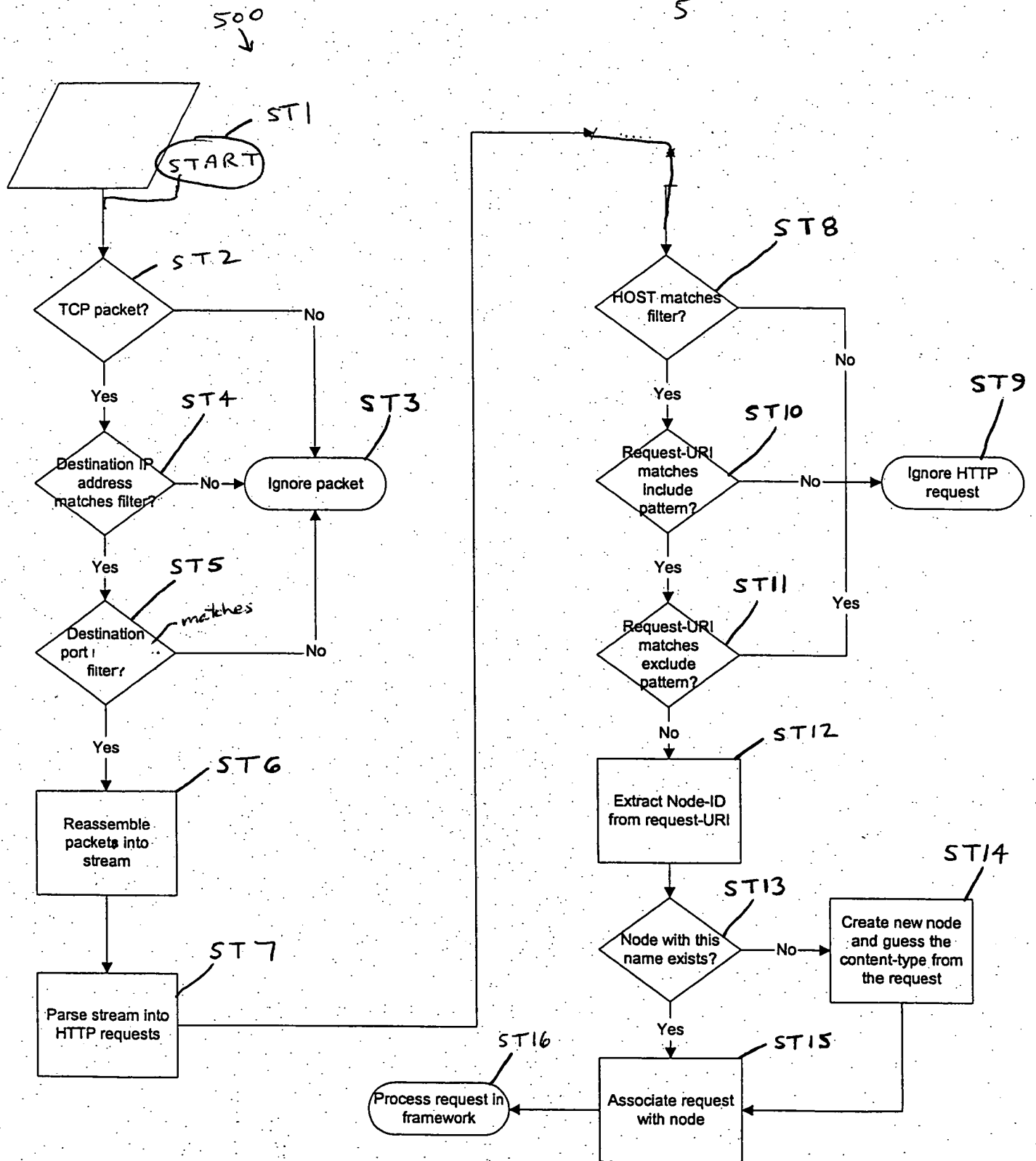
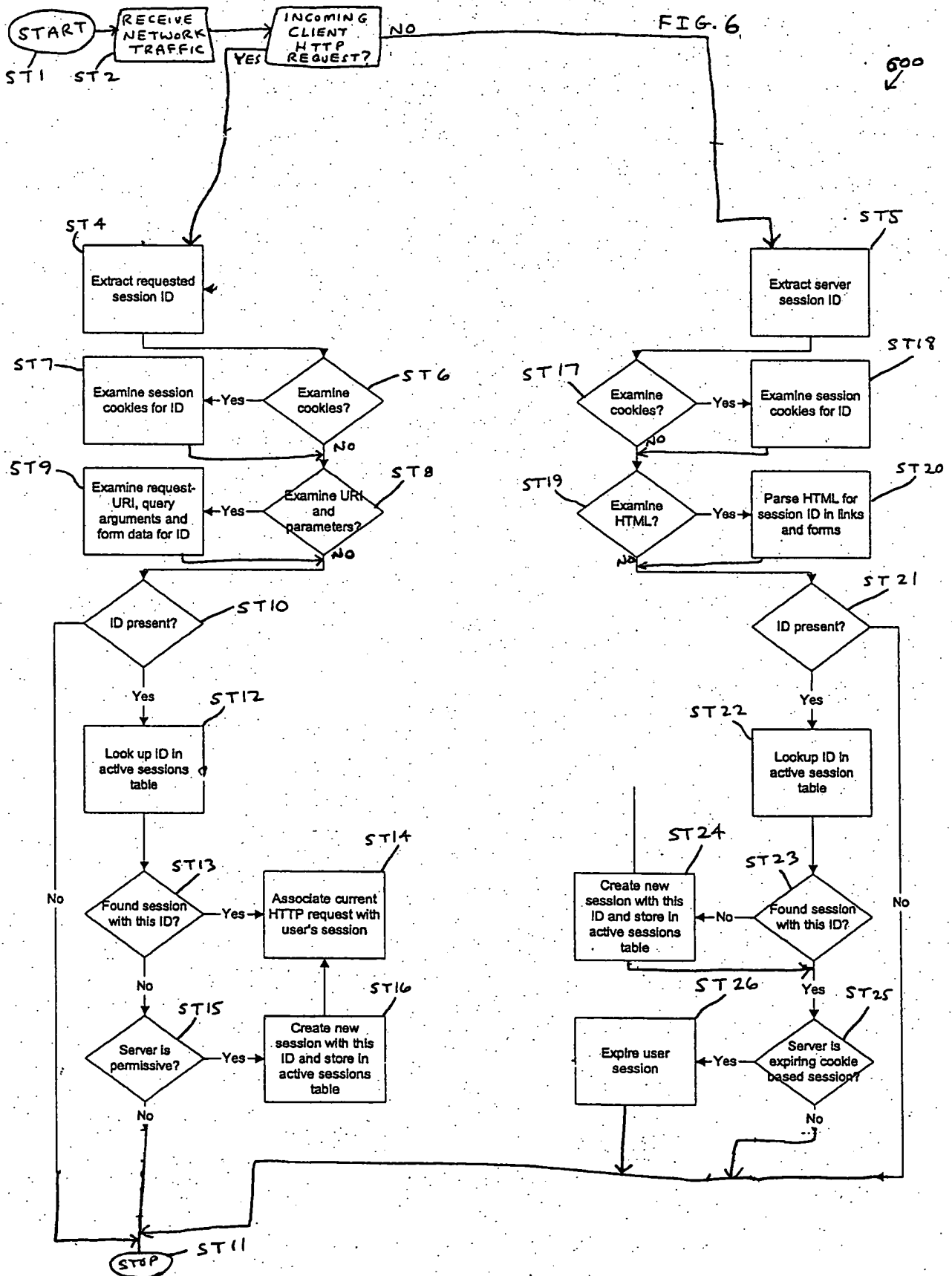
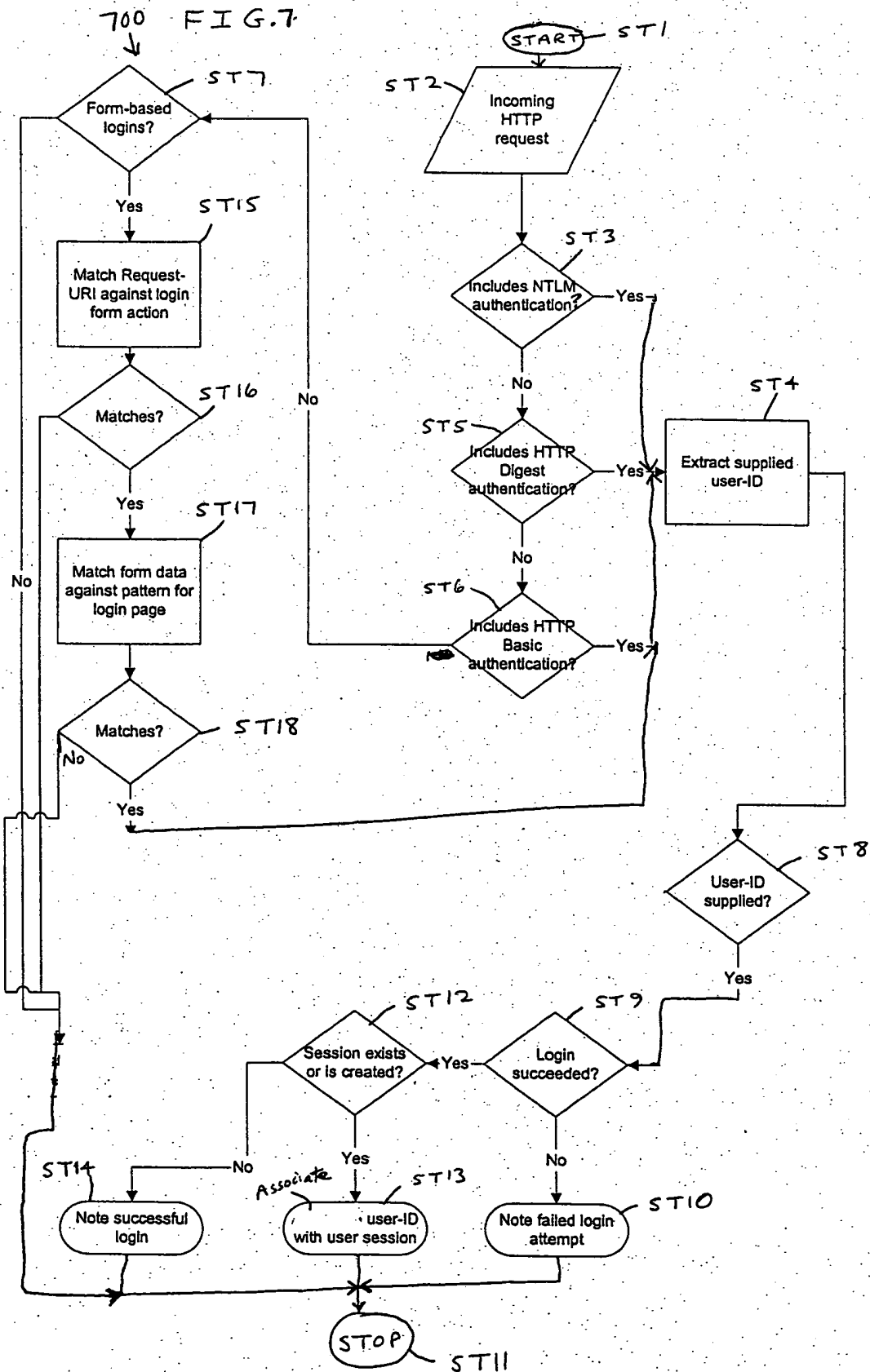


FIG.  
5









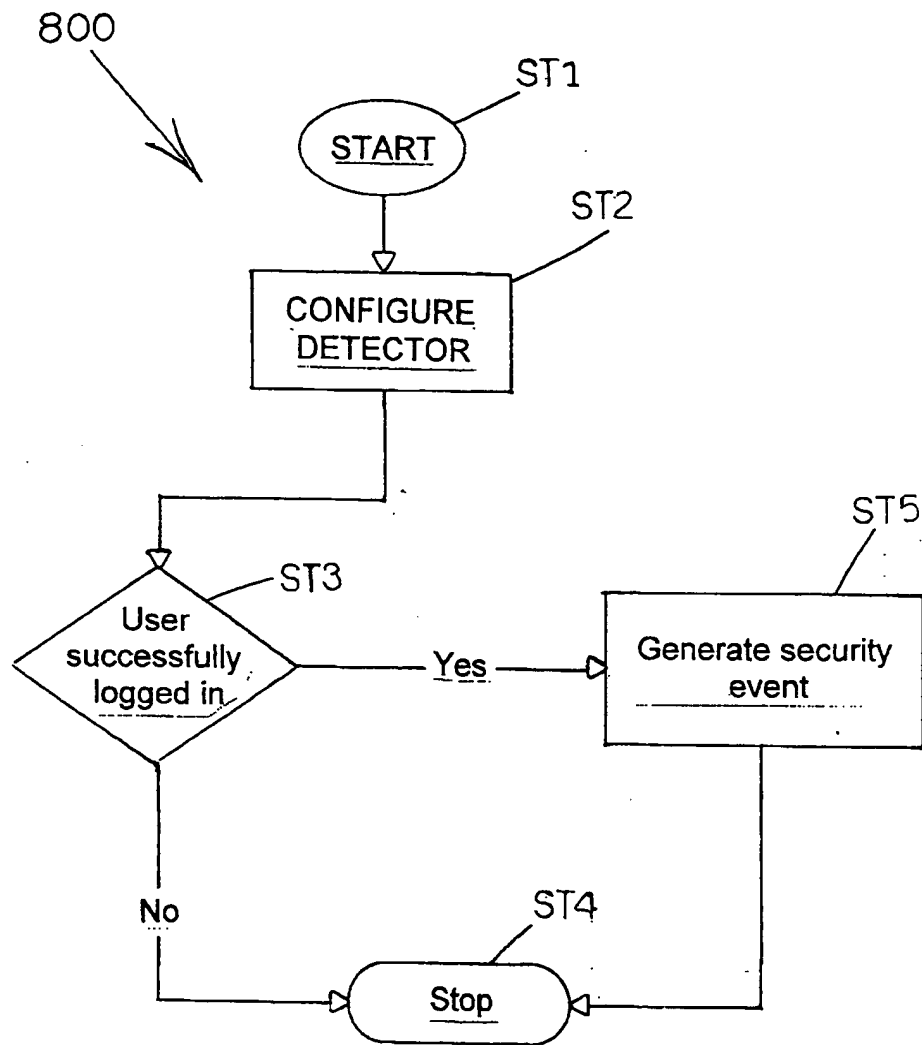


Fig. 8

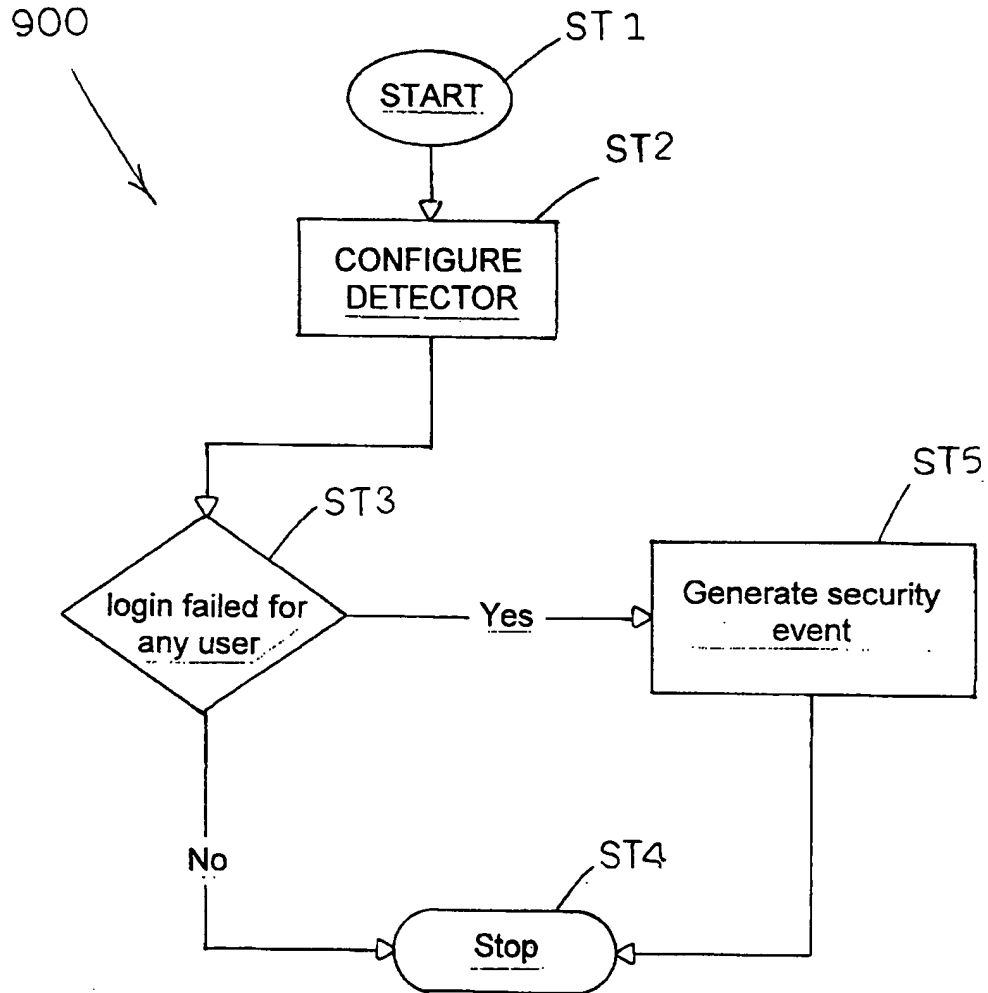


Fig. 9

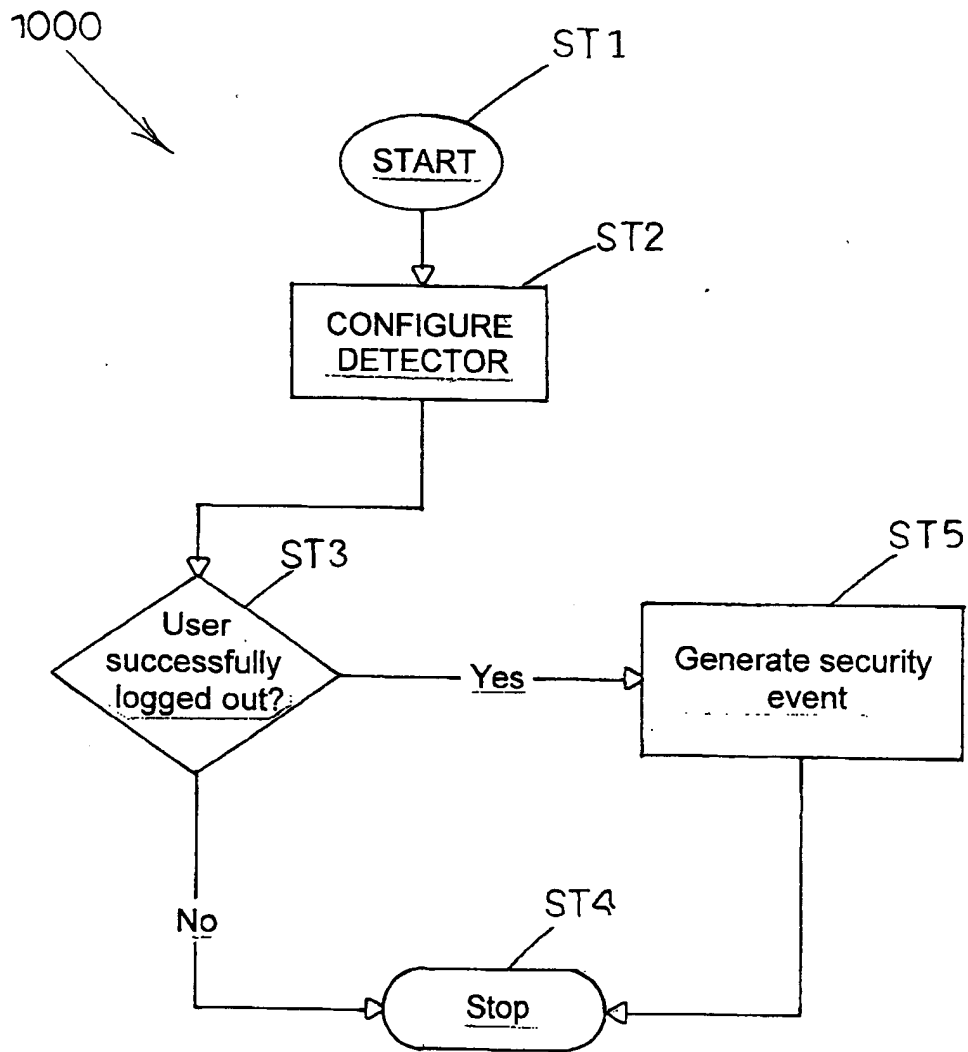


Fig. 10

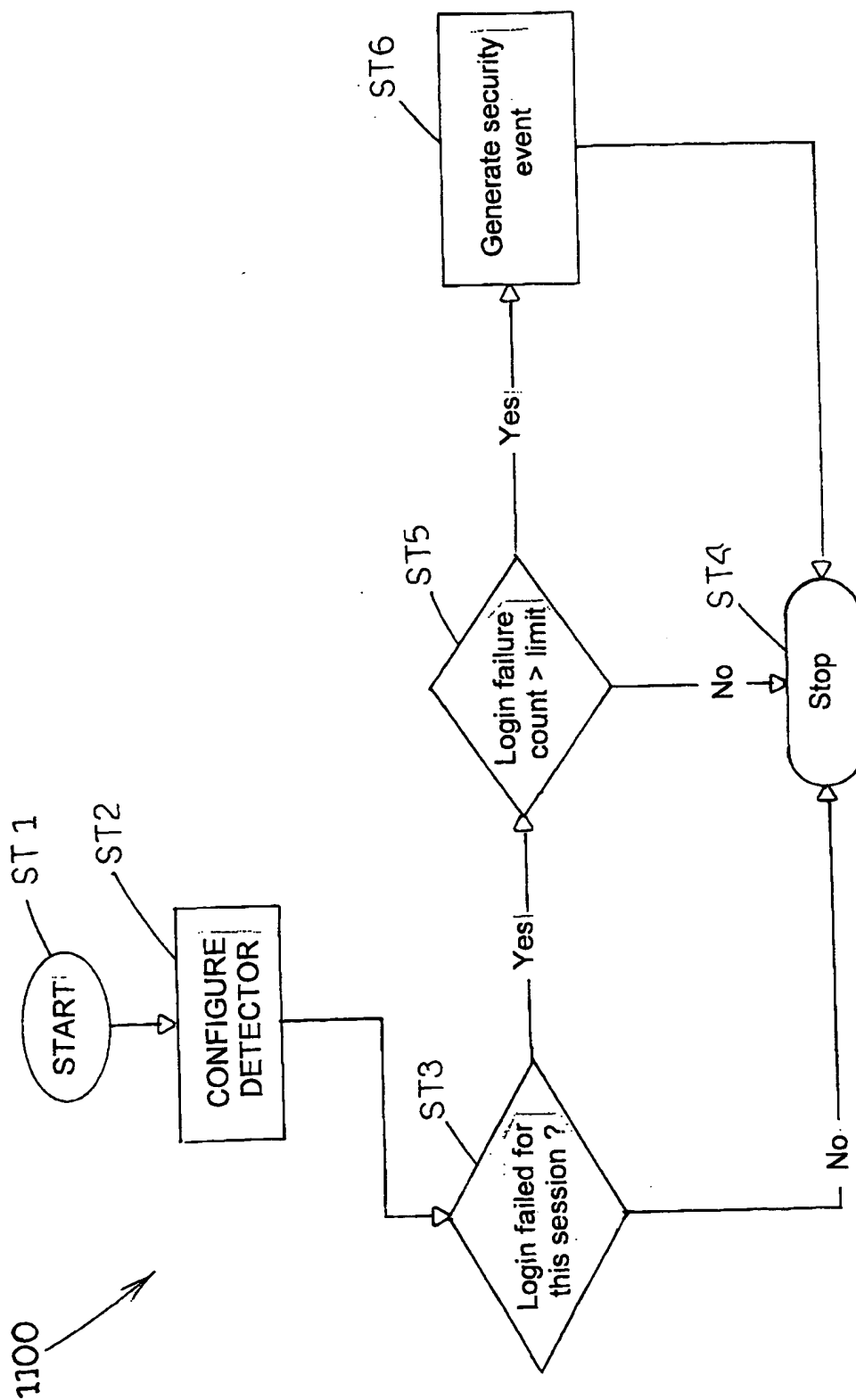


Fig. 11

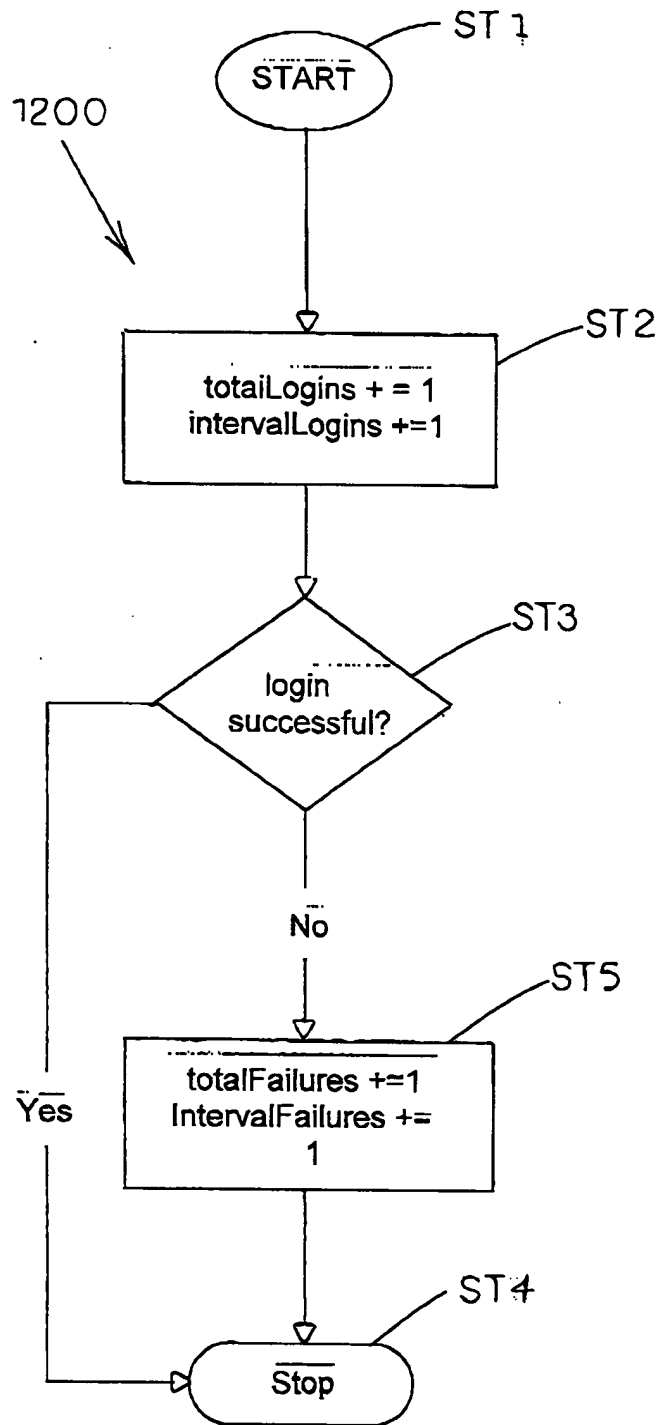


Fig. 12A

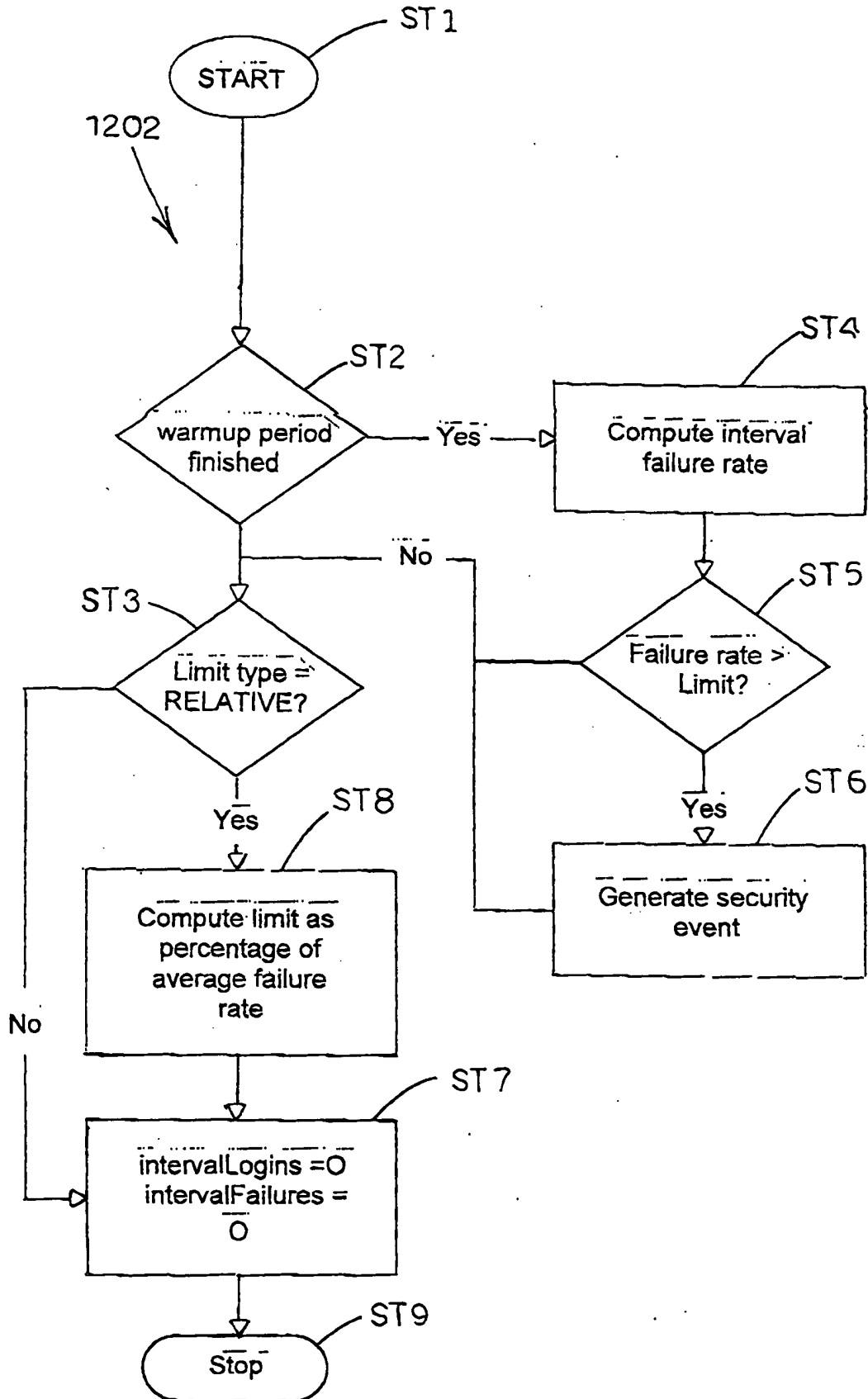


Fig. 12B

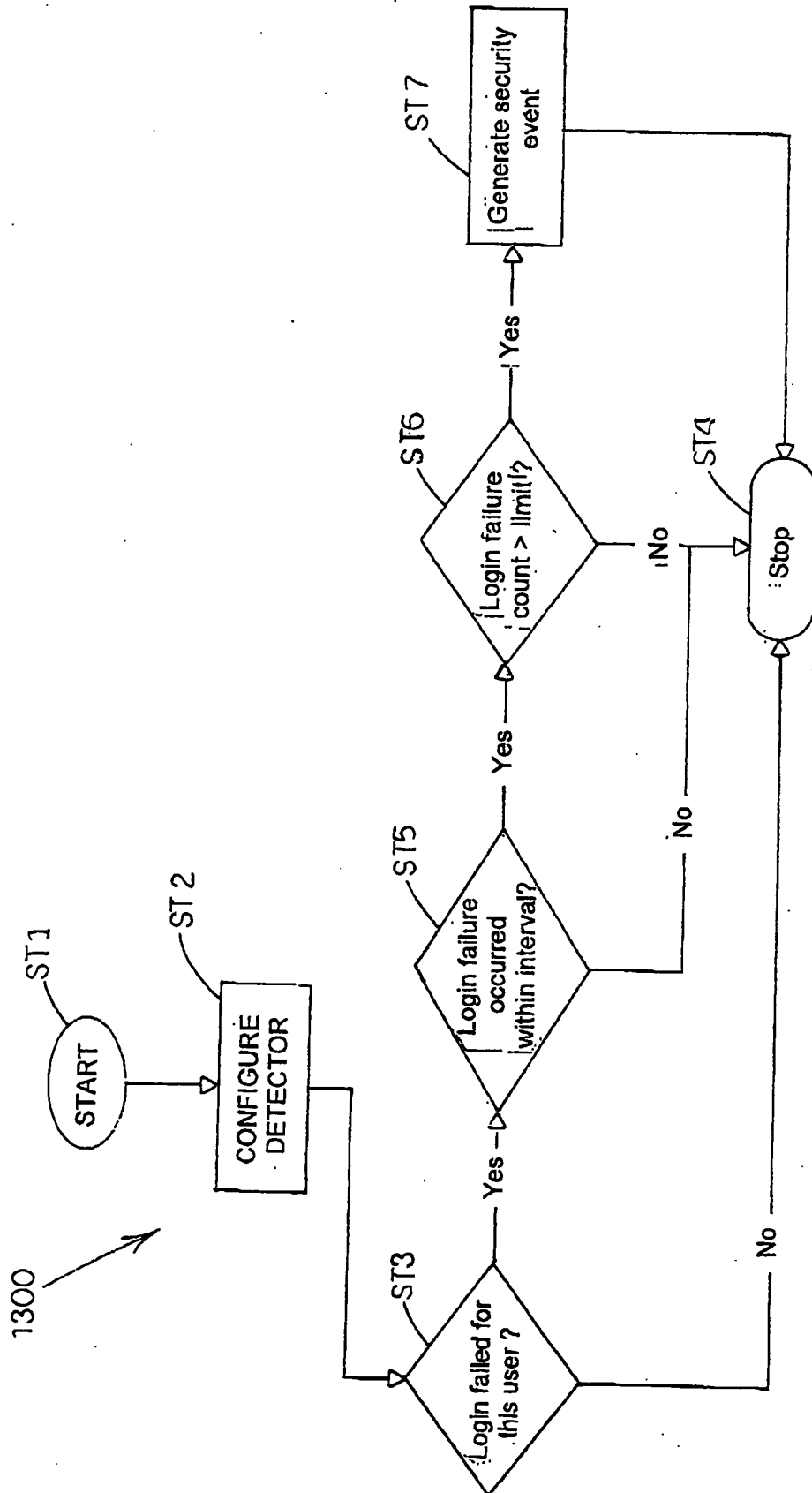


FIG. 13



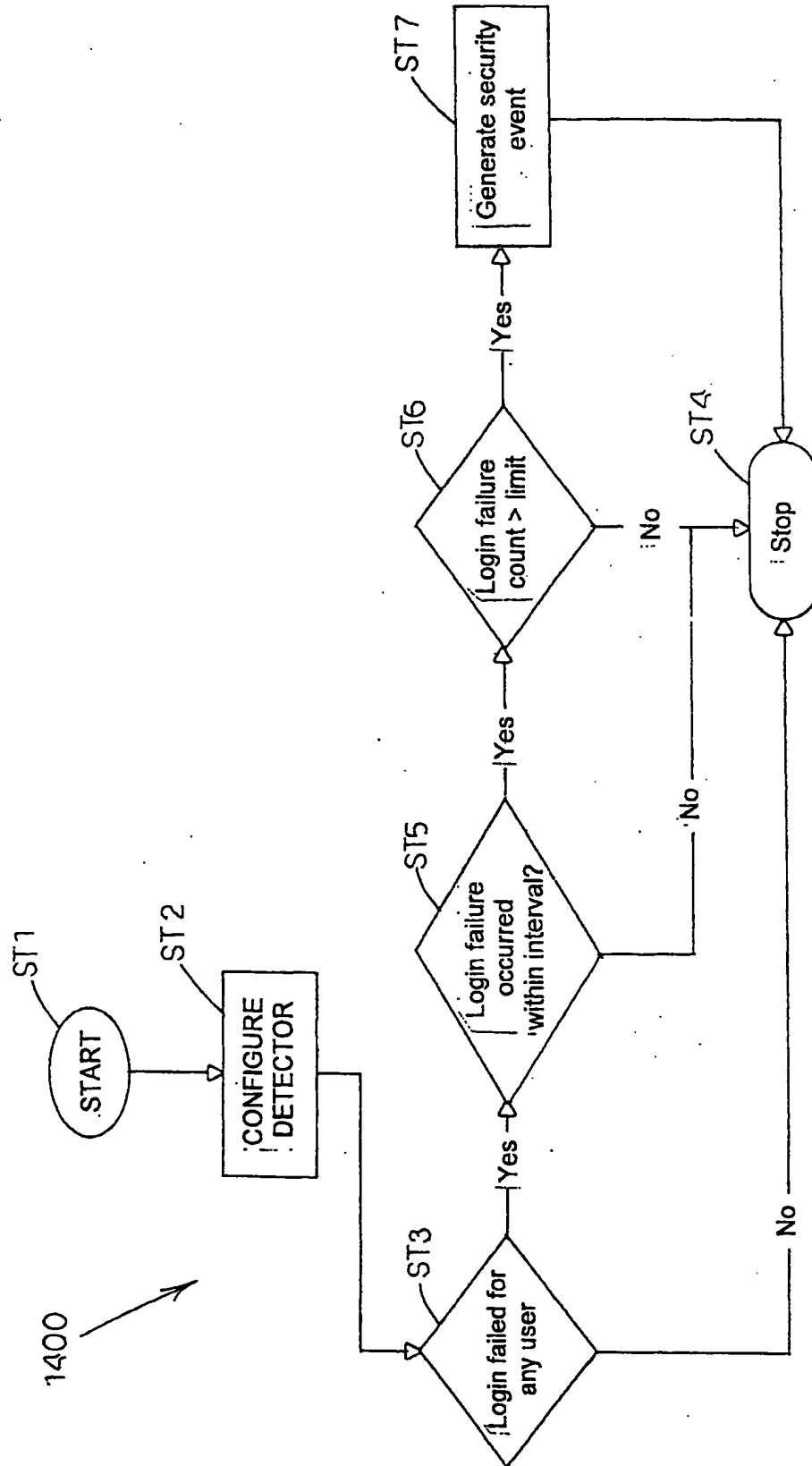


Fig. 14

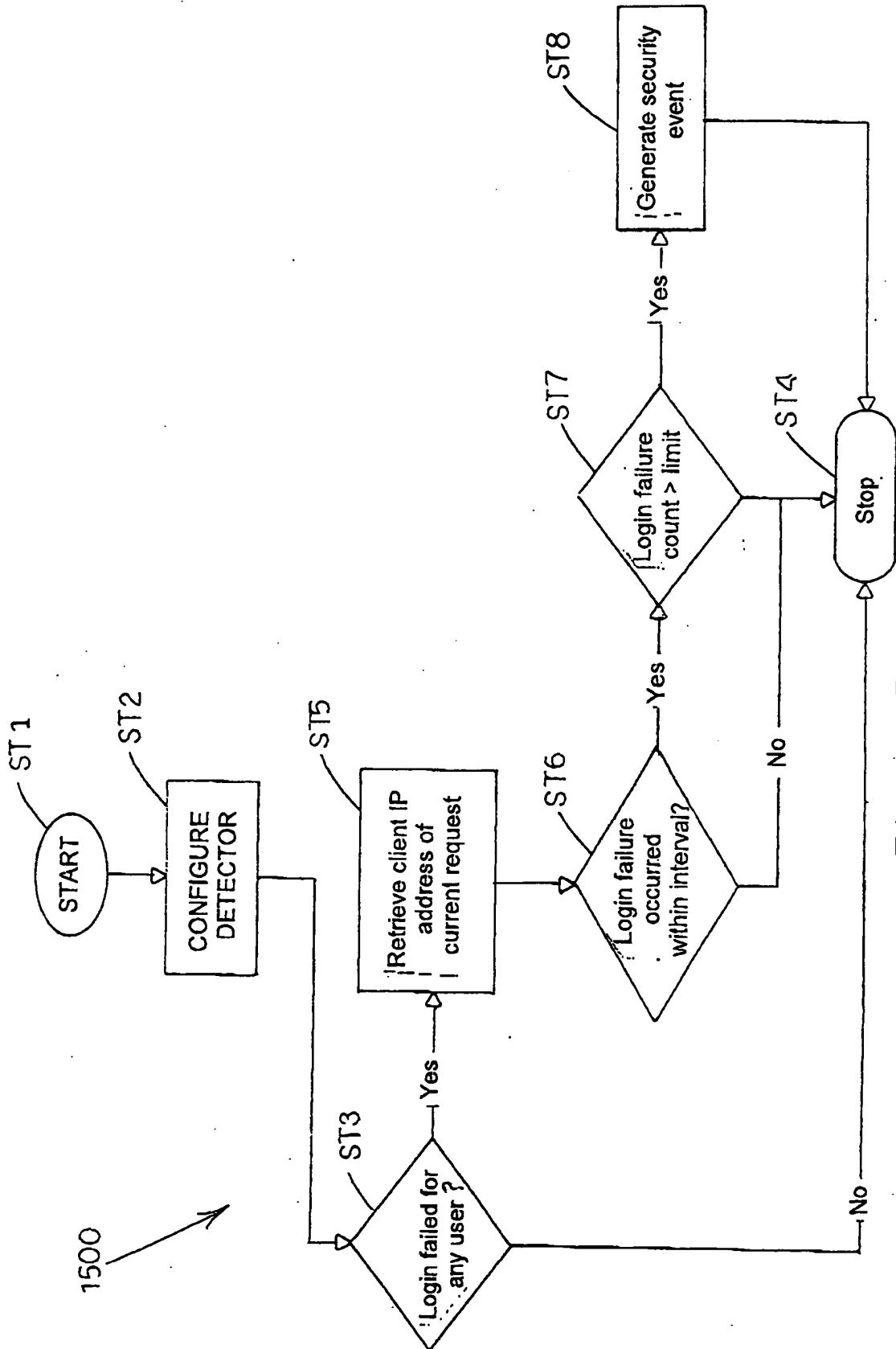
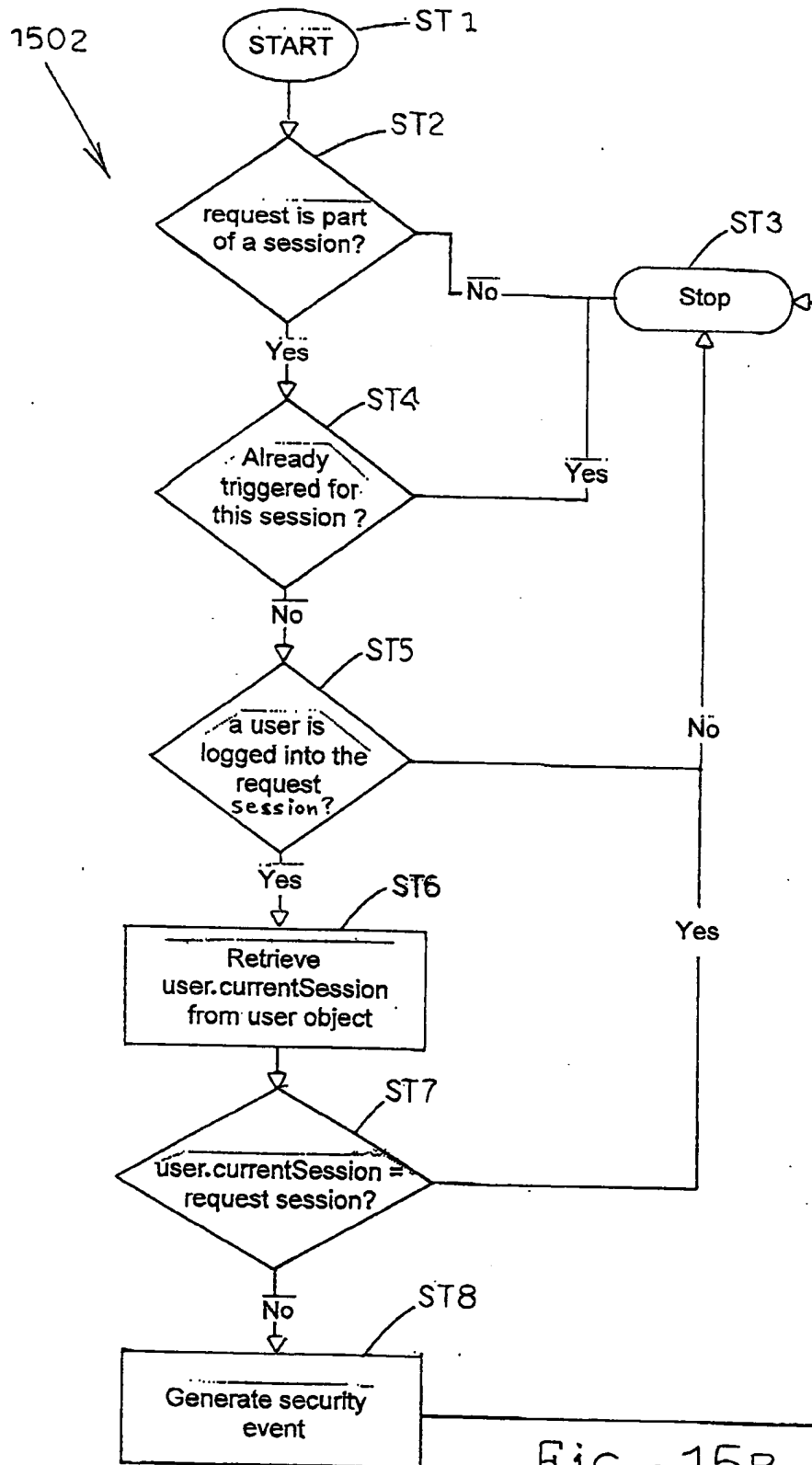


Fig. 15A



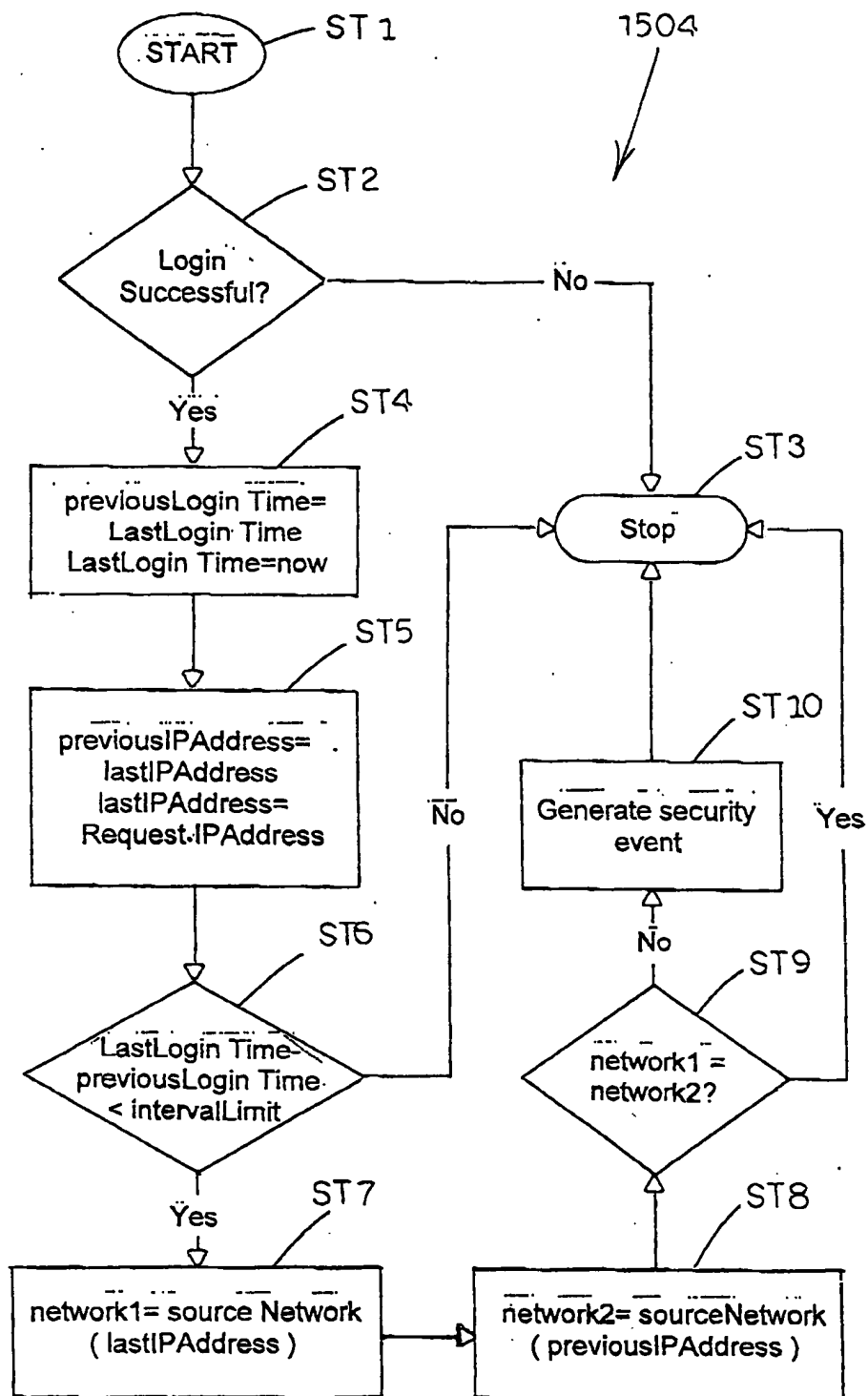
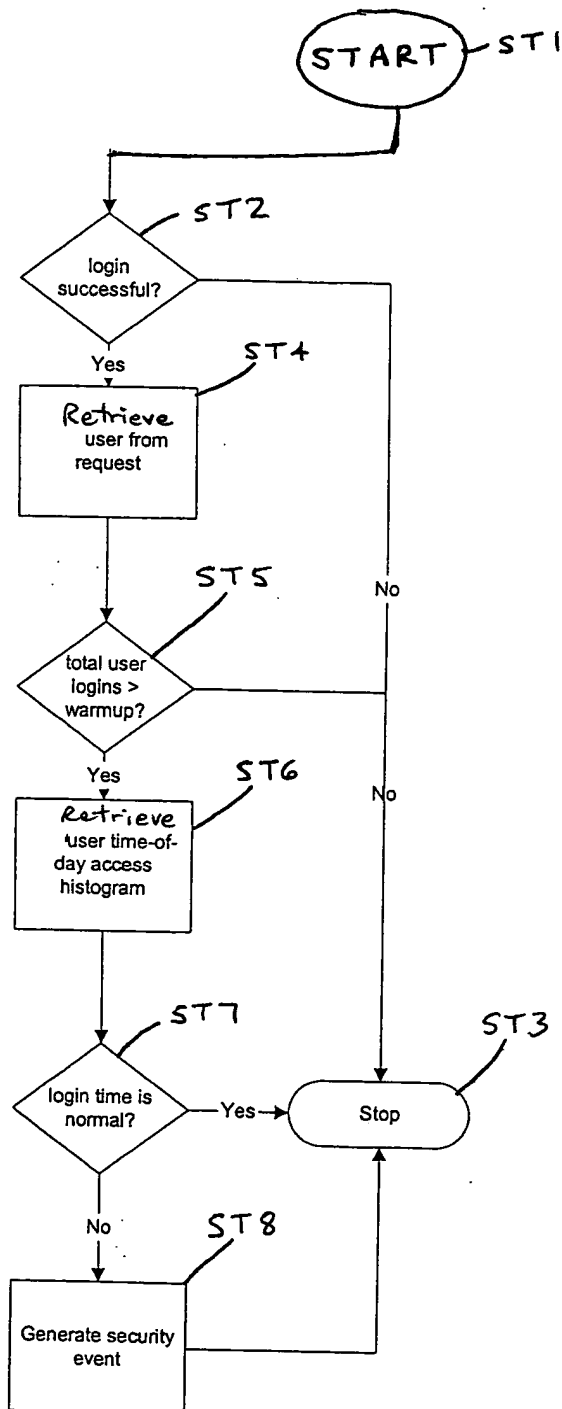


Fig. 15c

1600  
↓  
FIG. 16A



1602  
↓  
FIG. 16B

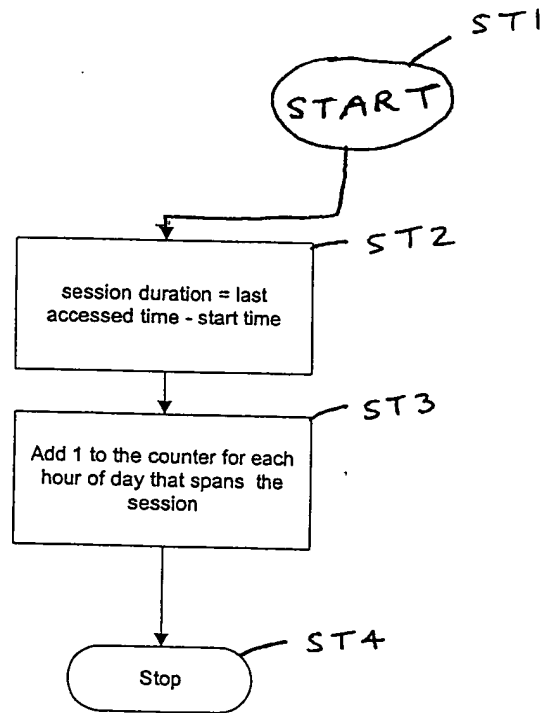


FIG. 17A

1700  
↓

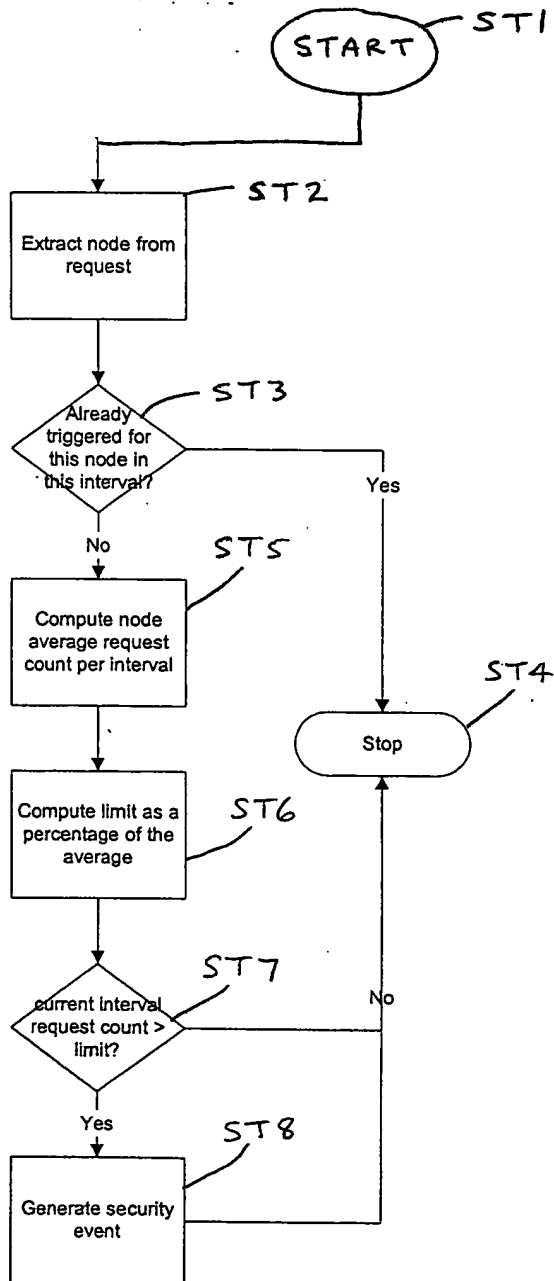


FIG. 17B

1702

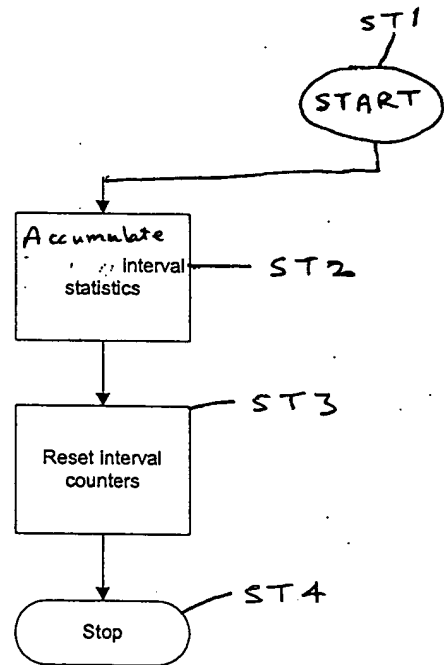


FIG. 18

1800

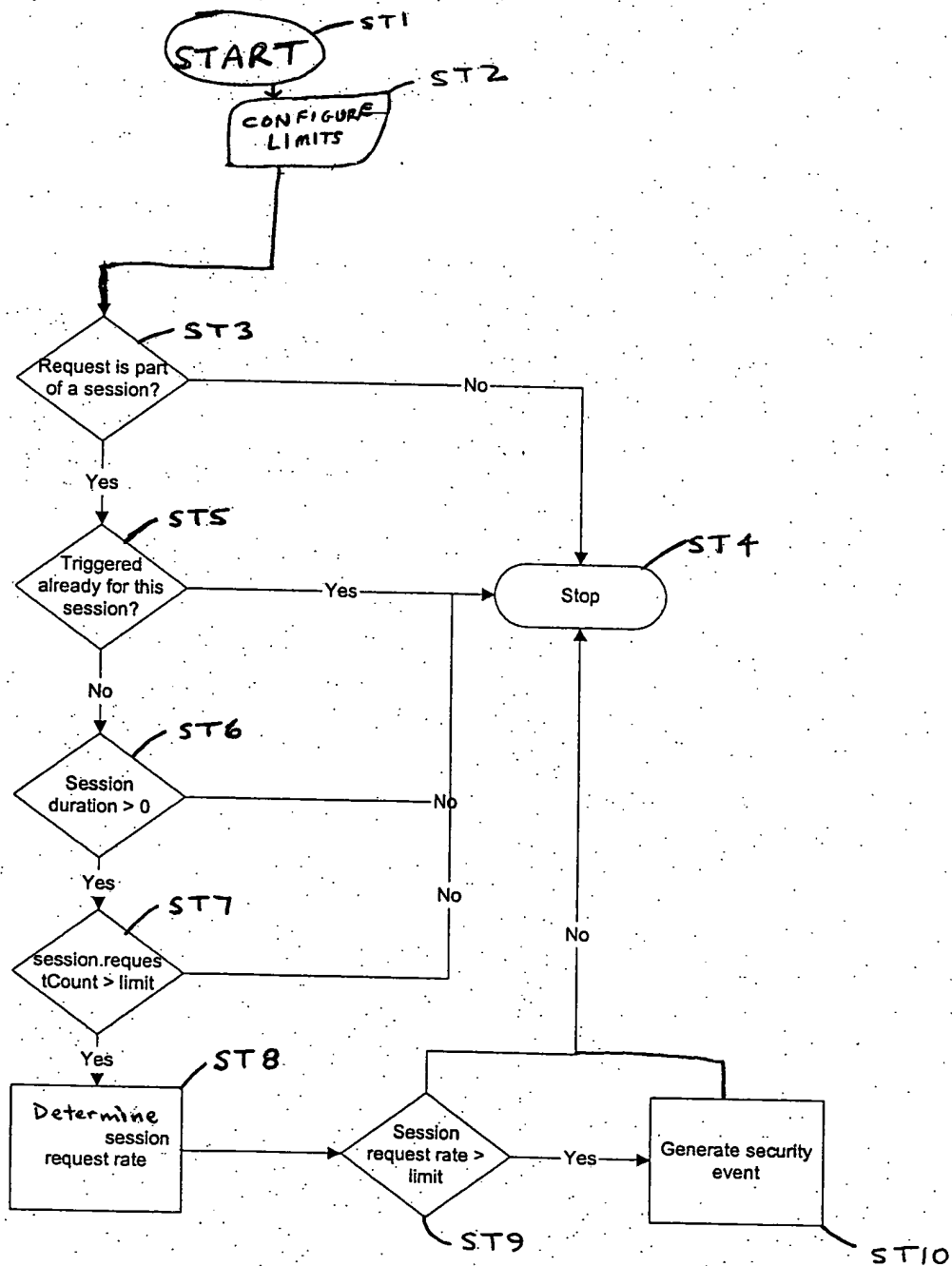


FIG. 19A

19 00  
↓

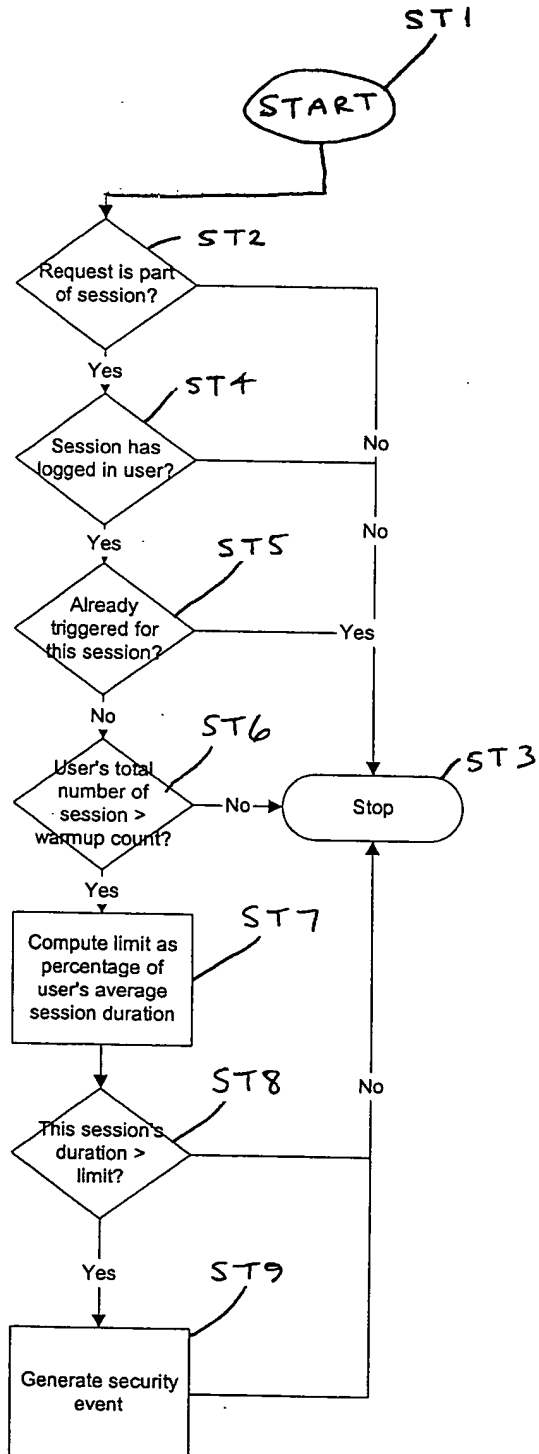


FIG. 19B

1902  
↓

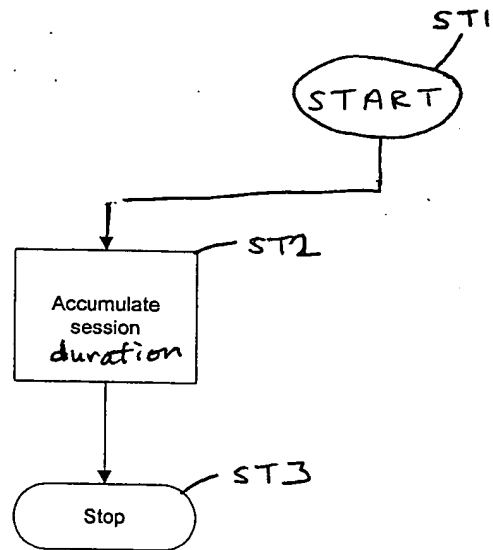




FIG. 20A

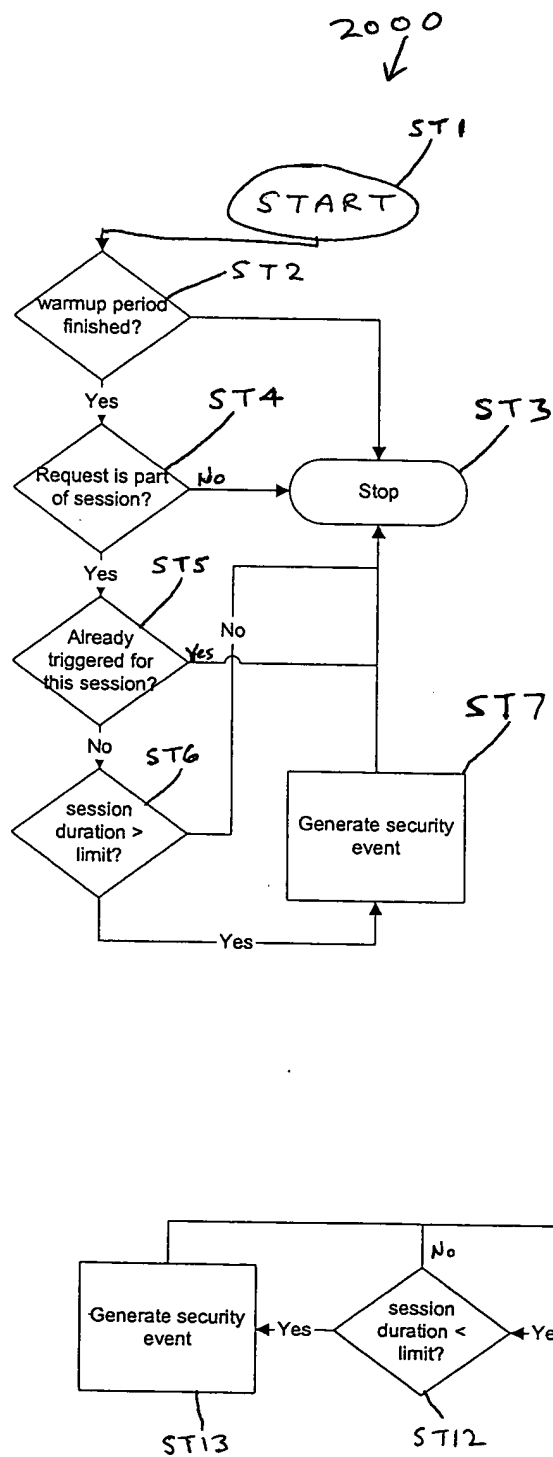
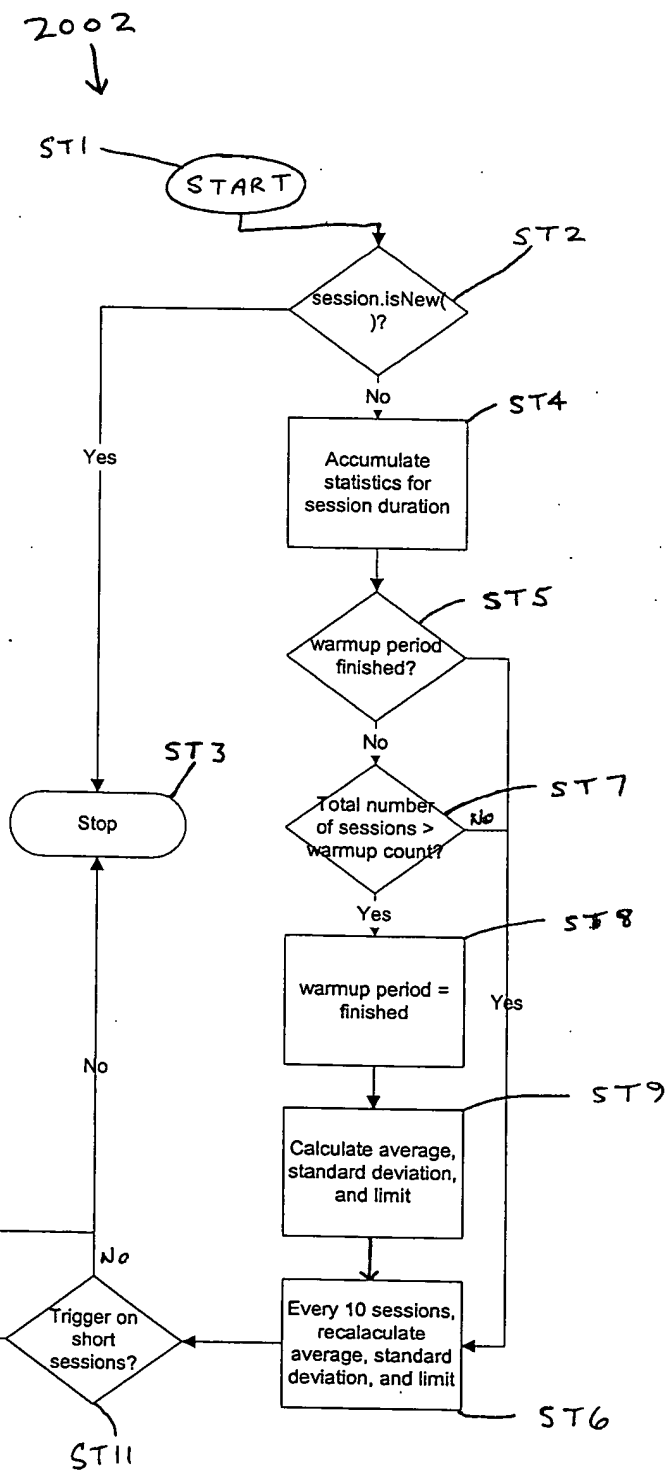


FIG. 20B



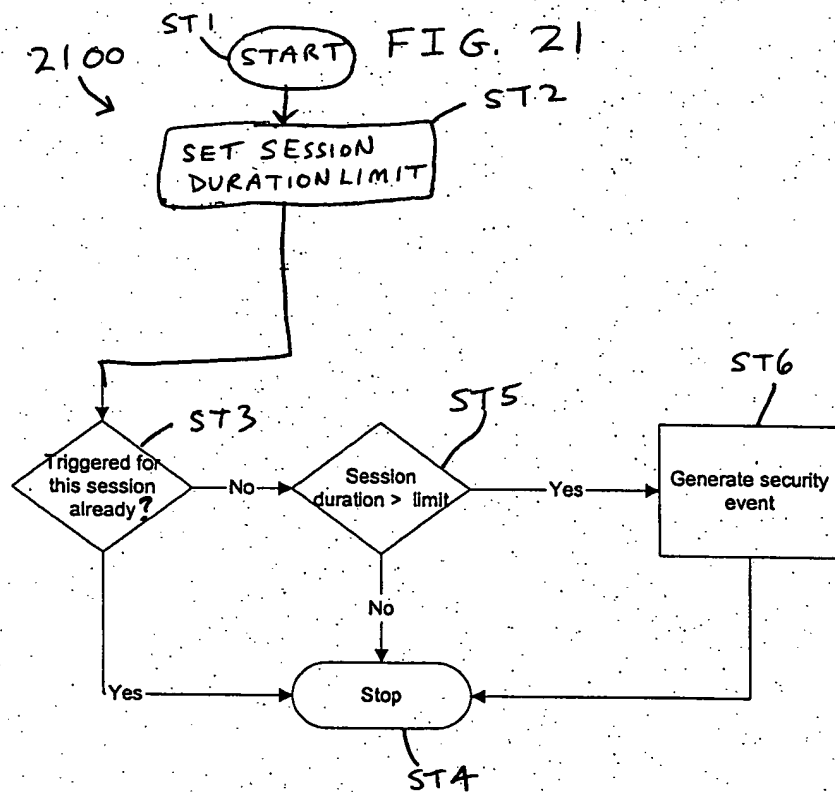


FIG. 22A

2200  
↓

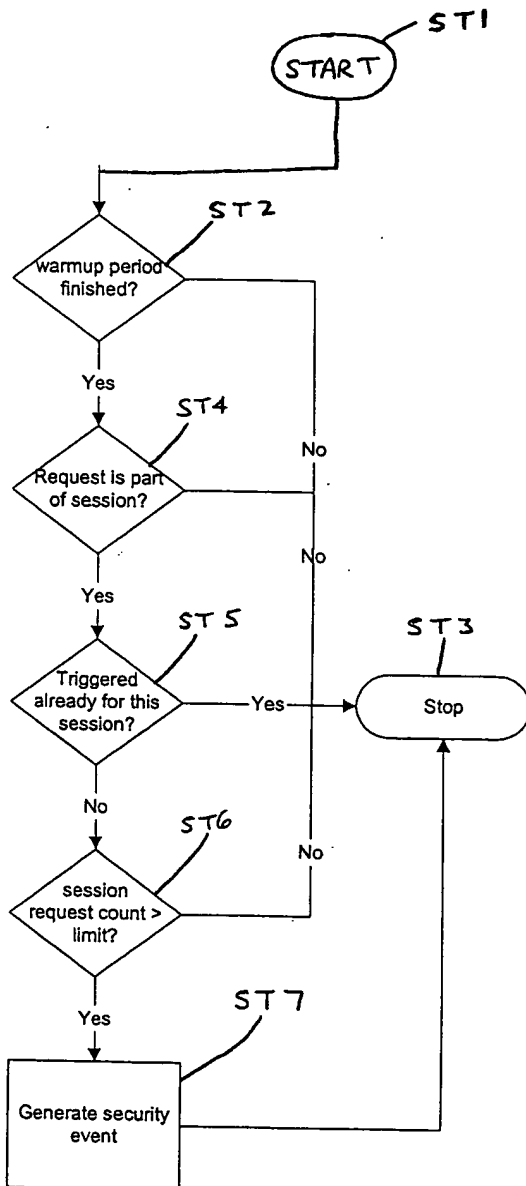


FIG. 22B

2202  
↓

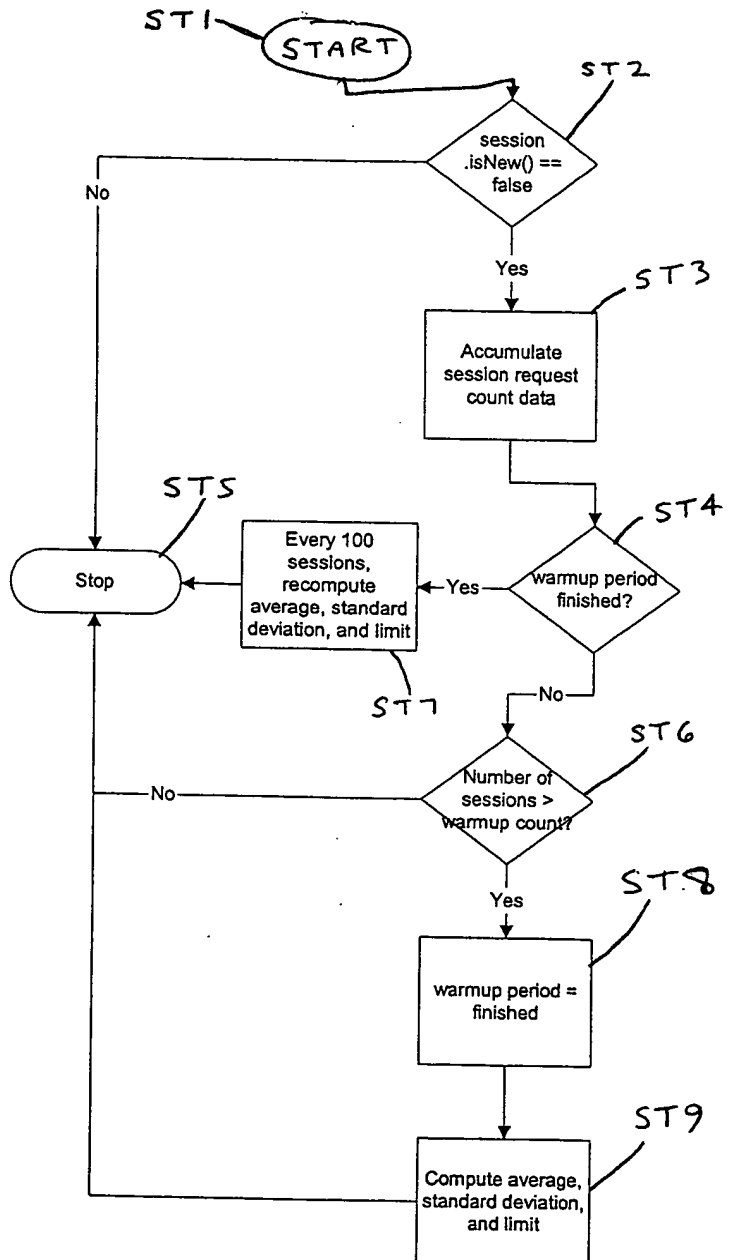


FIG. 23A

2300  
↓

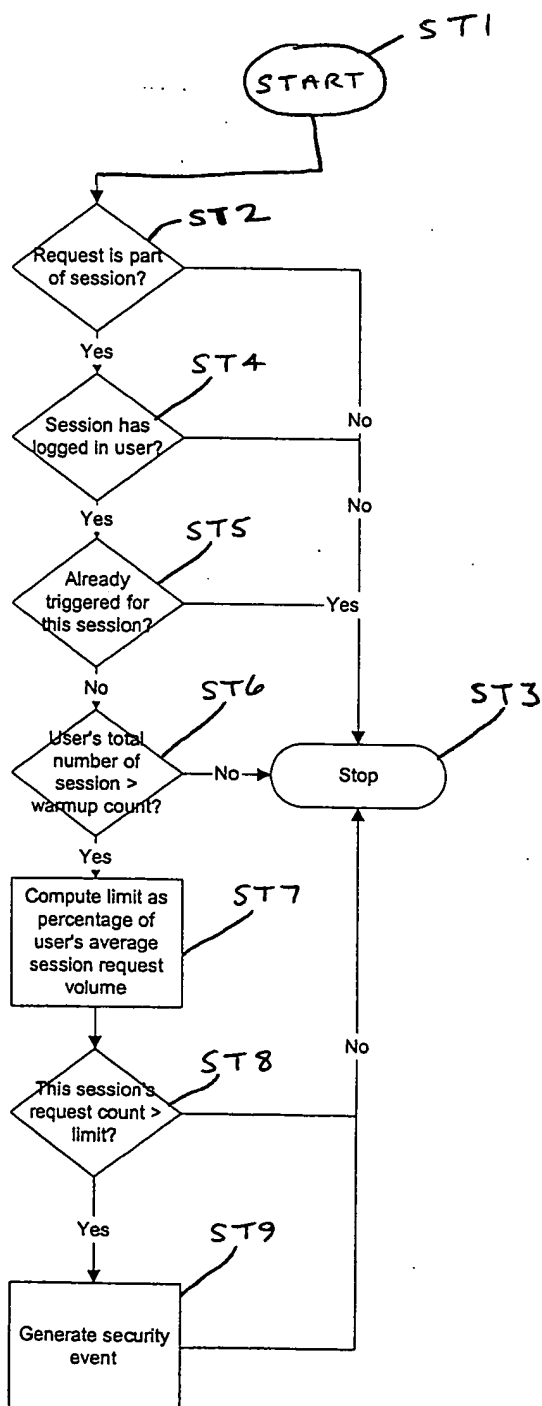
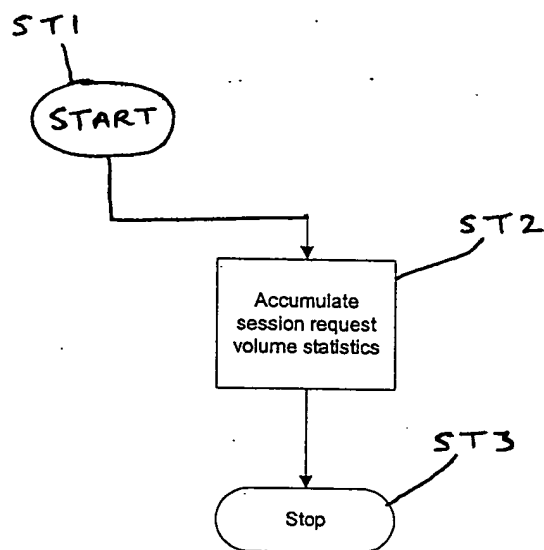


FIG. 23B

2302  
↓



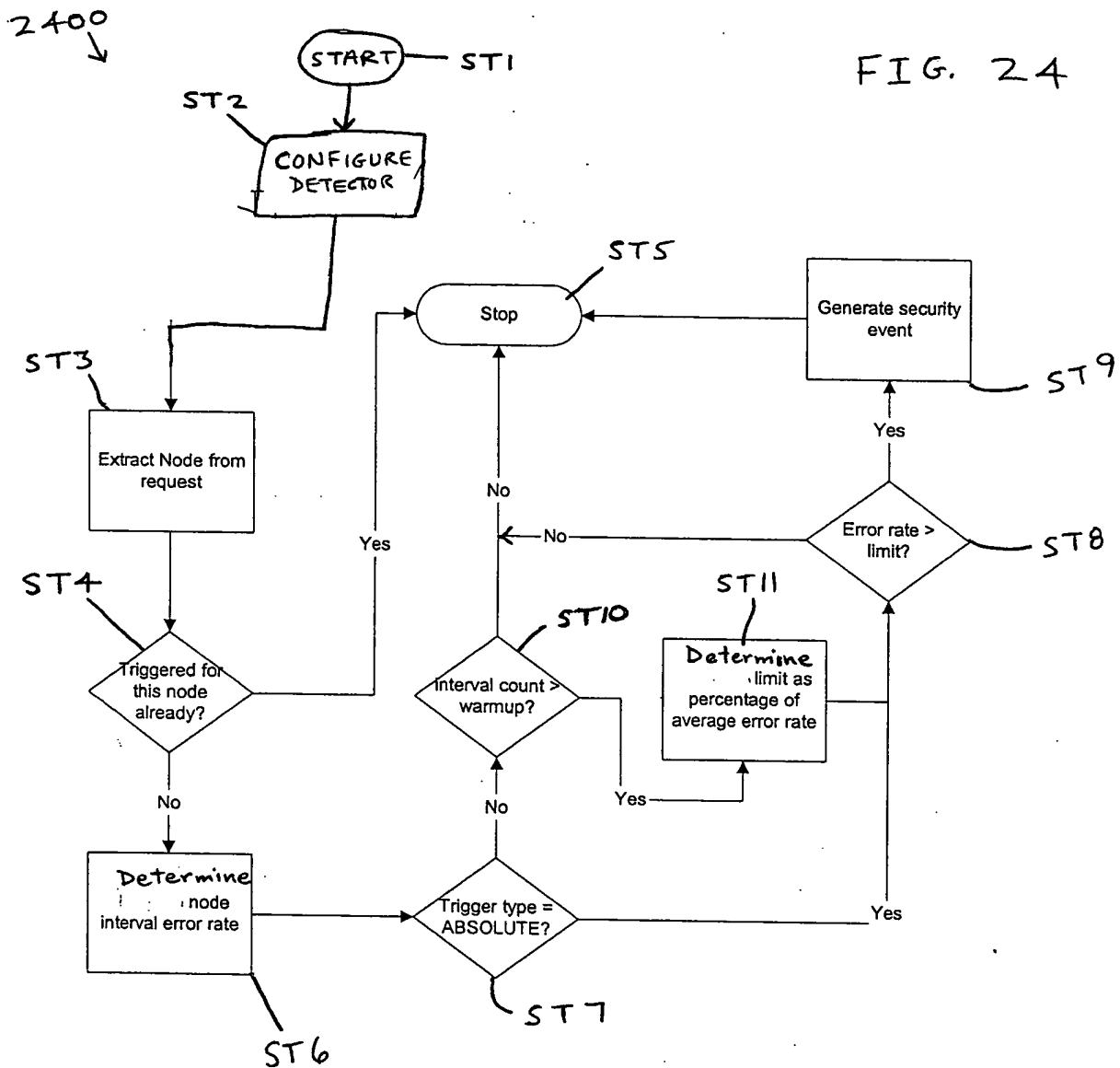
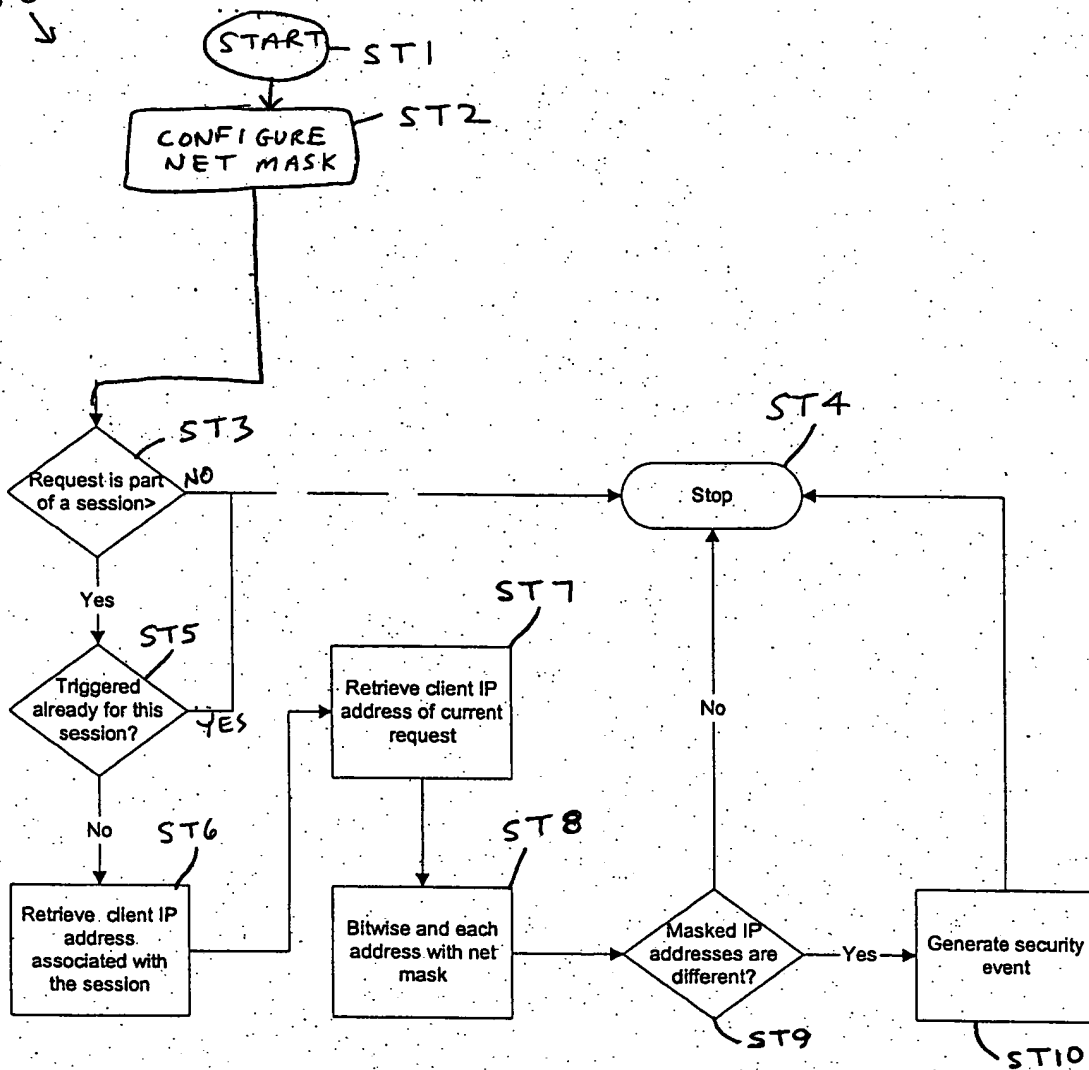


FIG. 25

2500  
↓



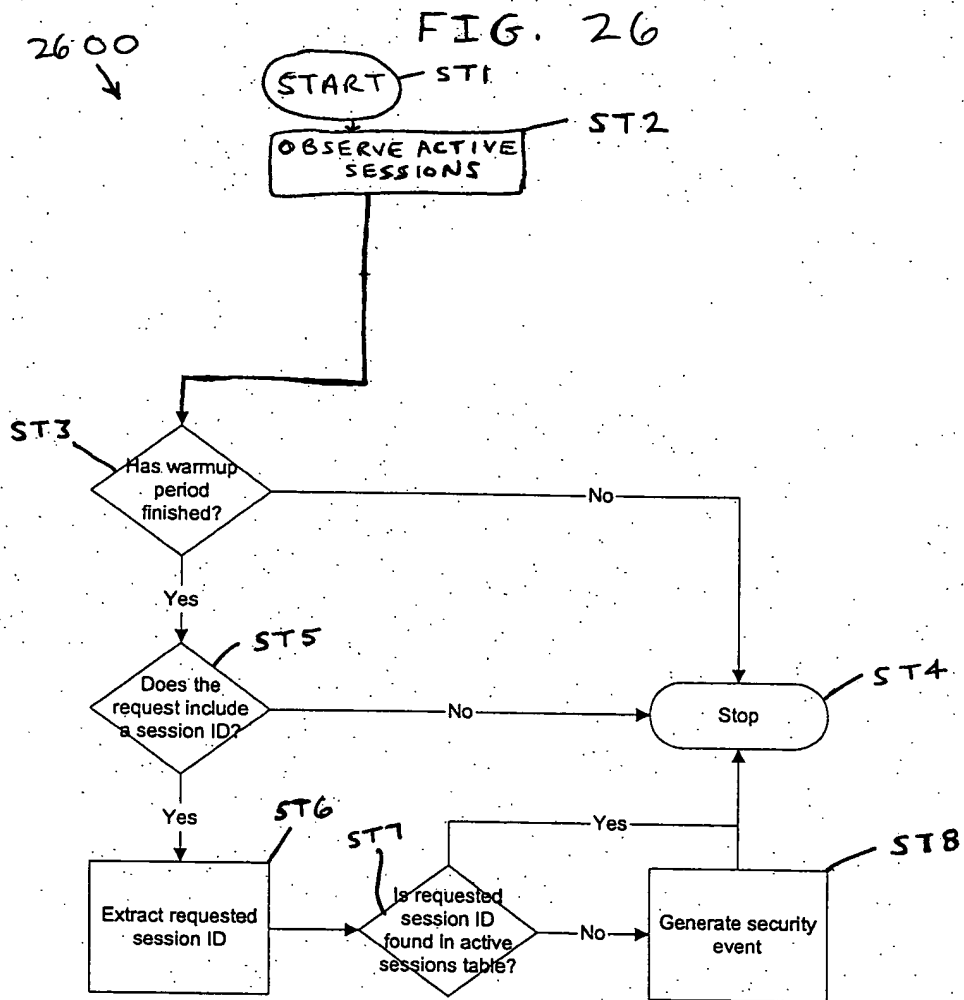
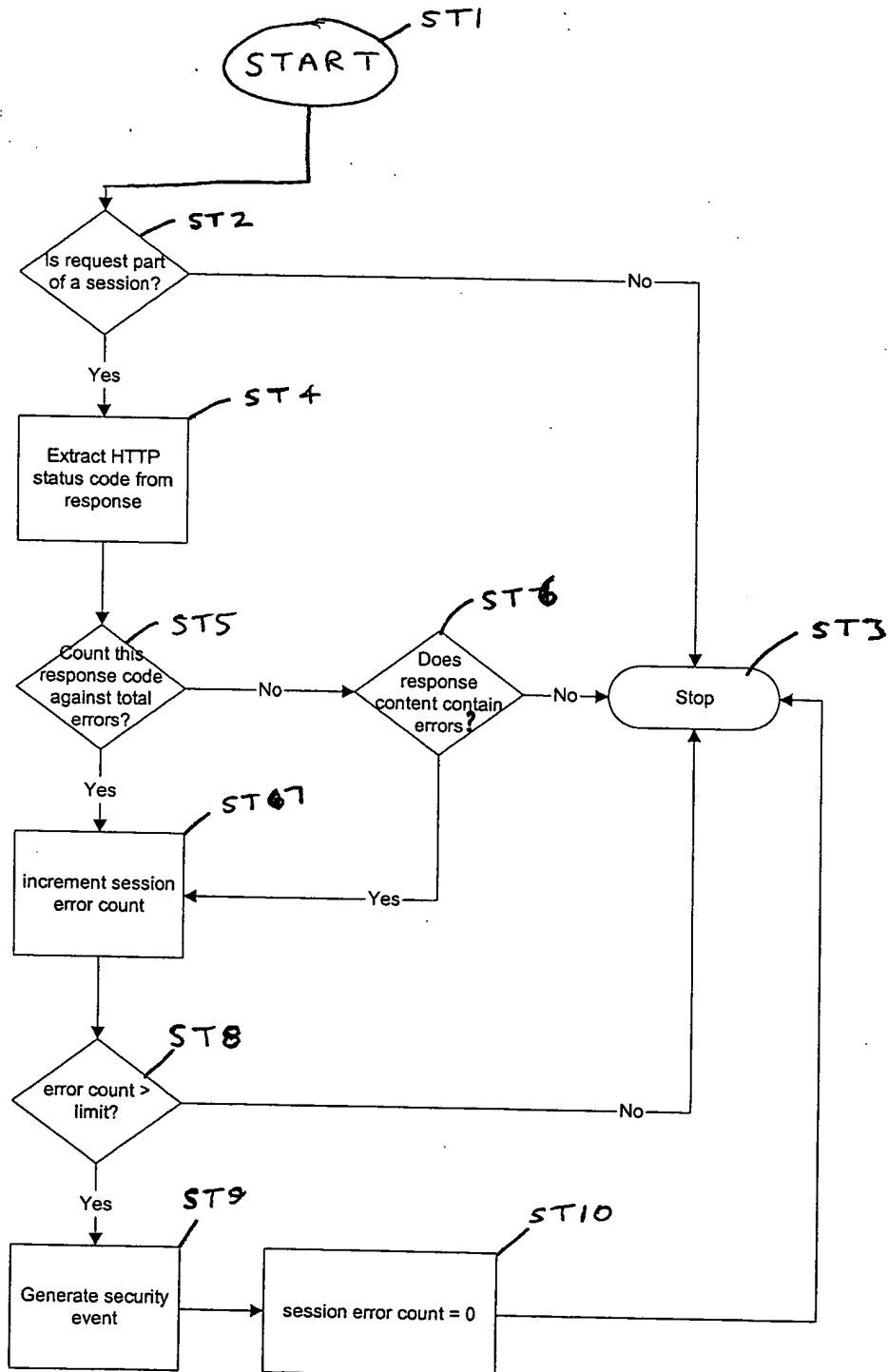


FIG. 27

2700  
↓





28.00  
↓

FIG. 28

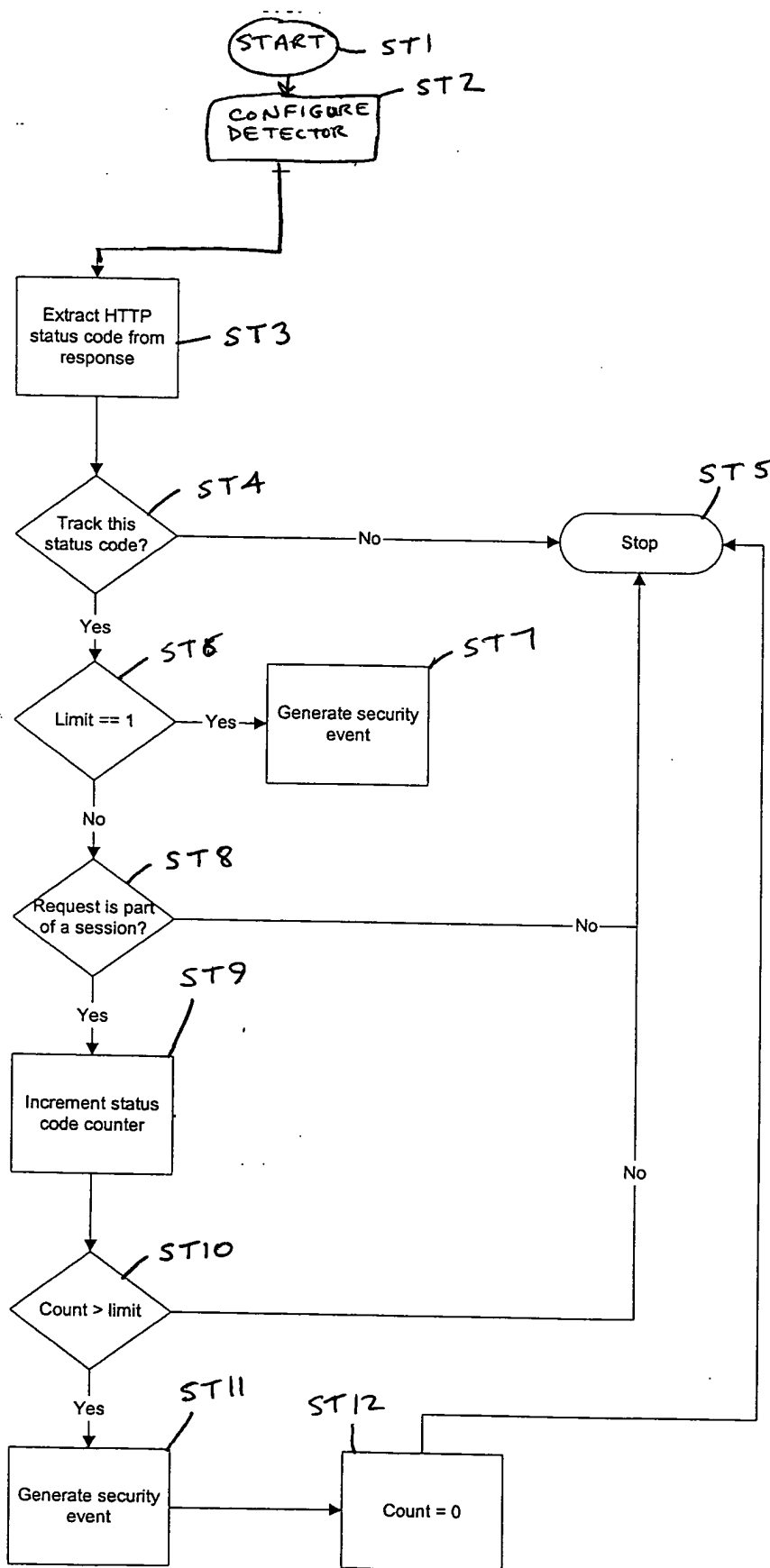
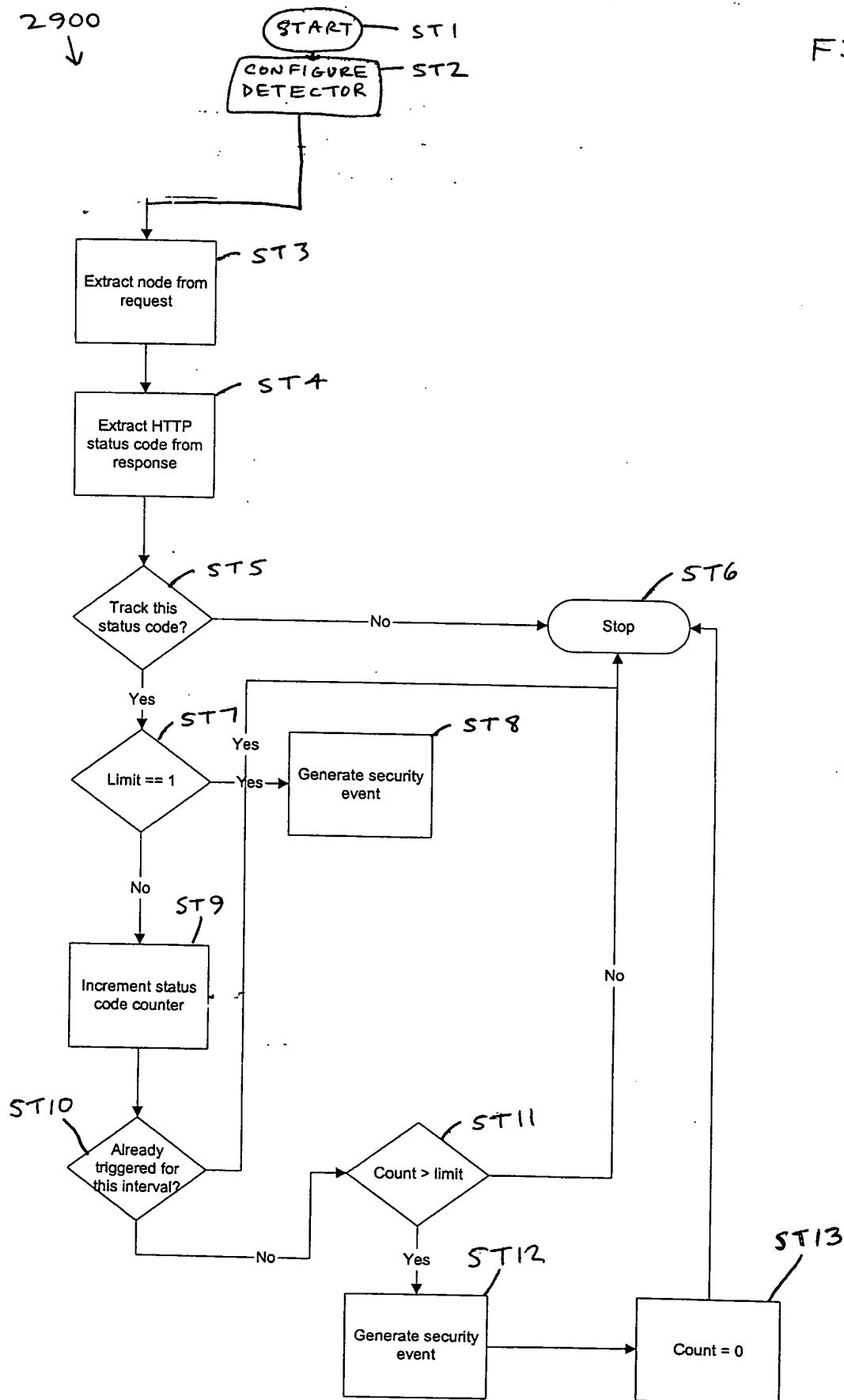
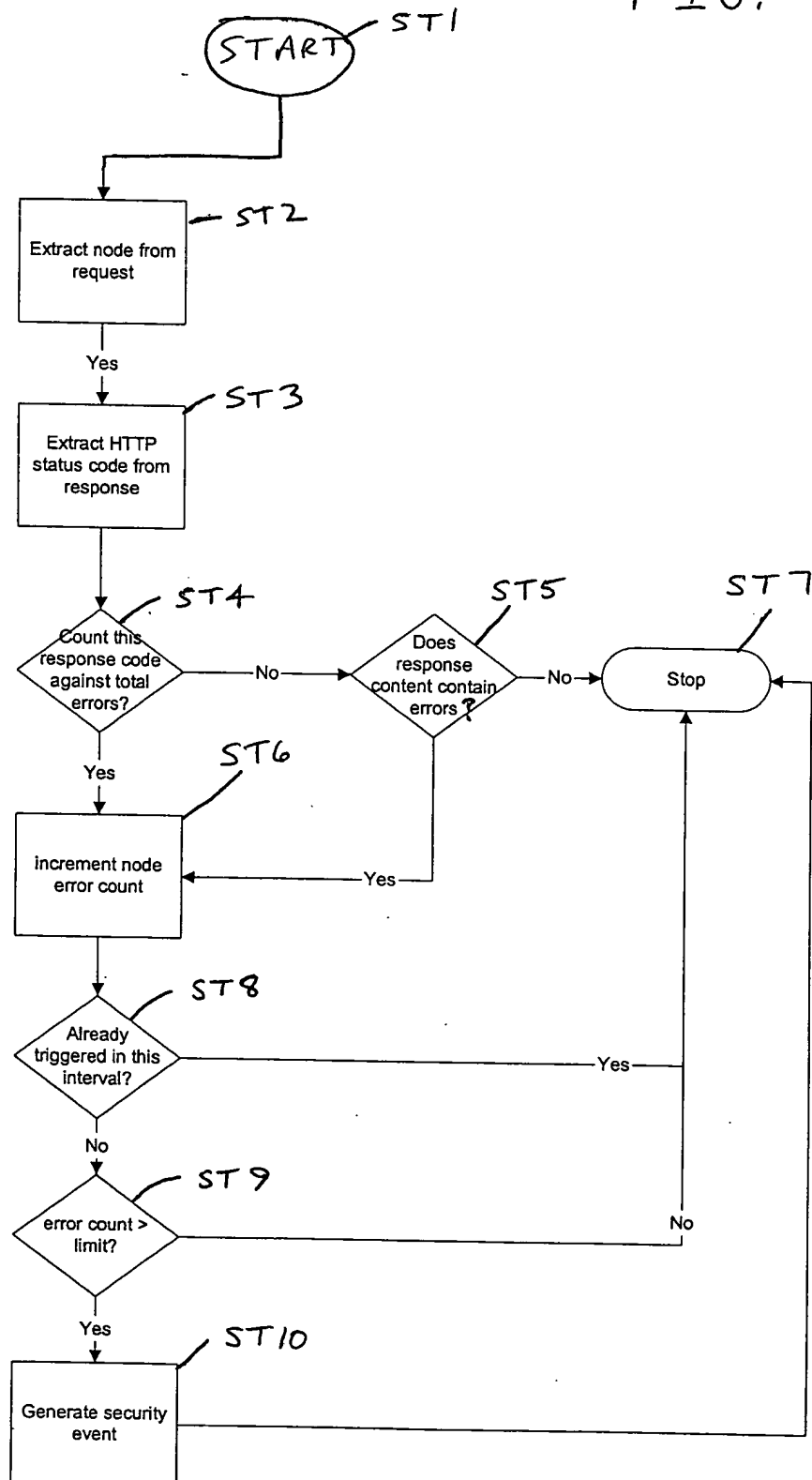


FIG. 29



3000 ↓

FIG. 30



3100  
↓

FIG. 31

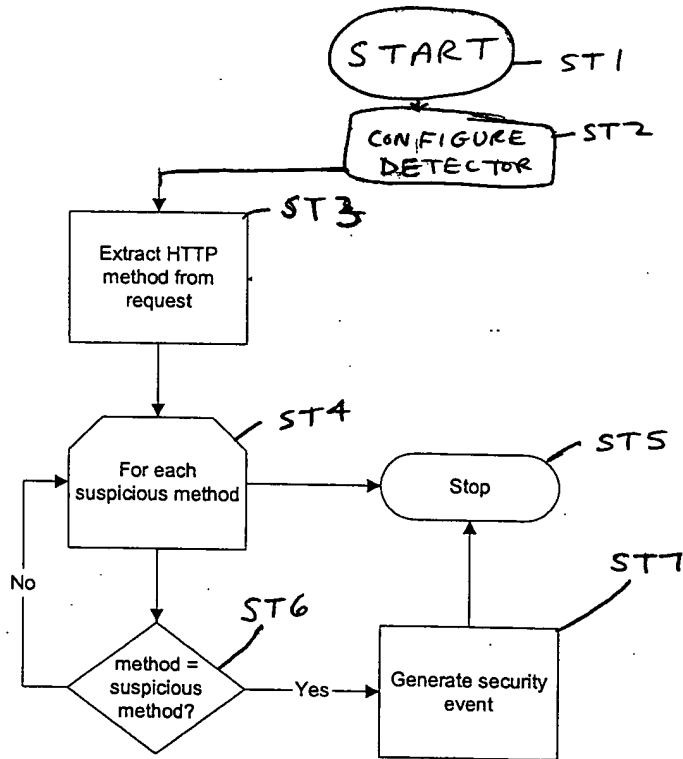
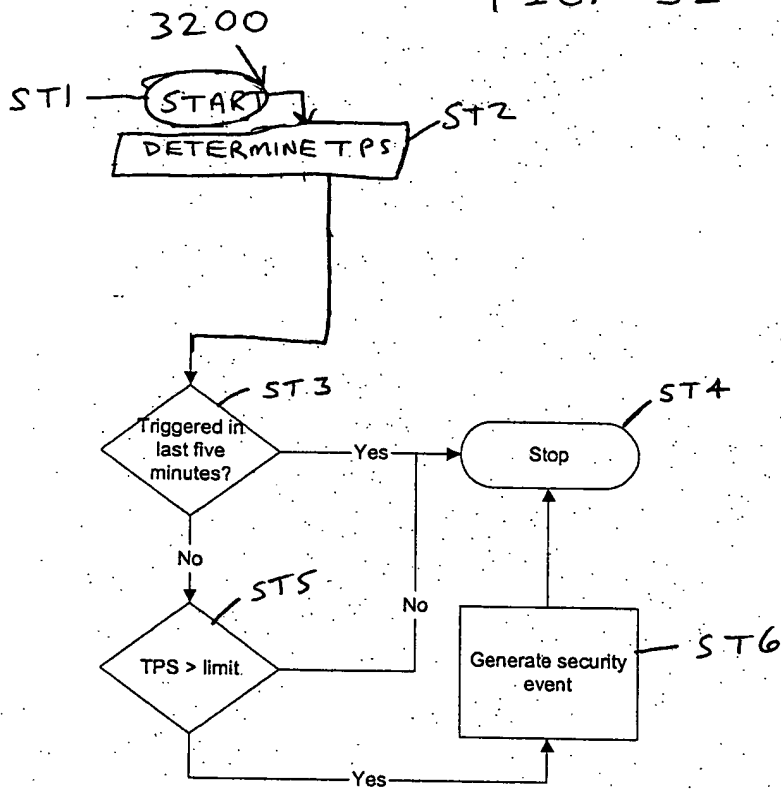


FIG. 32



3300 FIG. 33A.

FIG. 33B

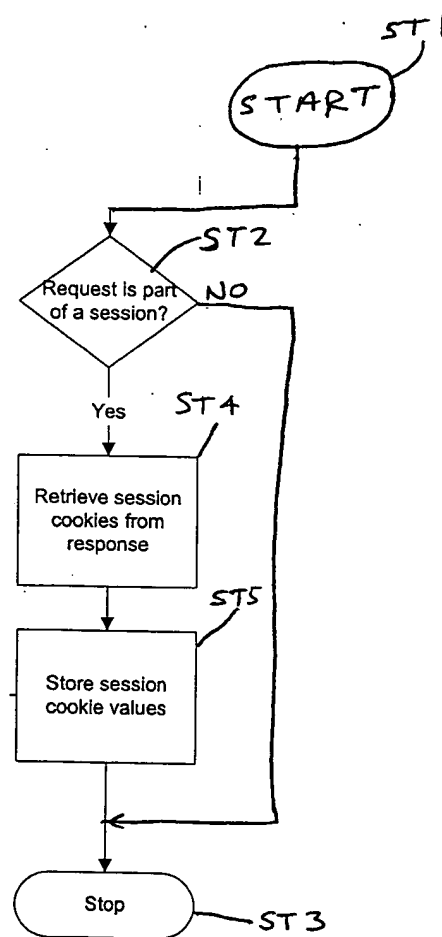
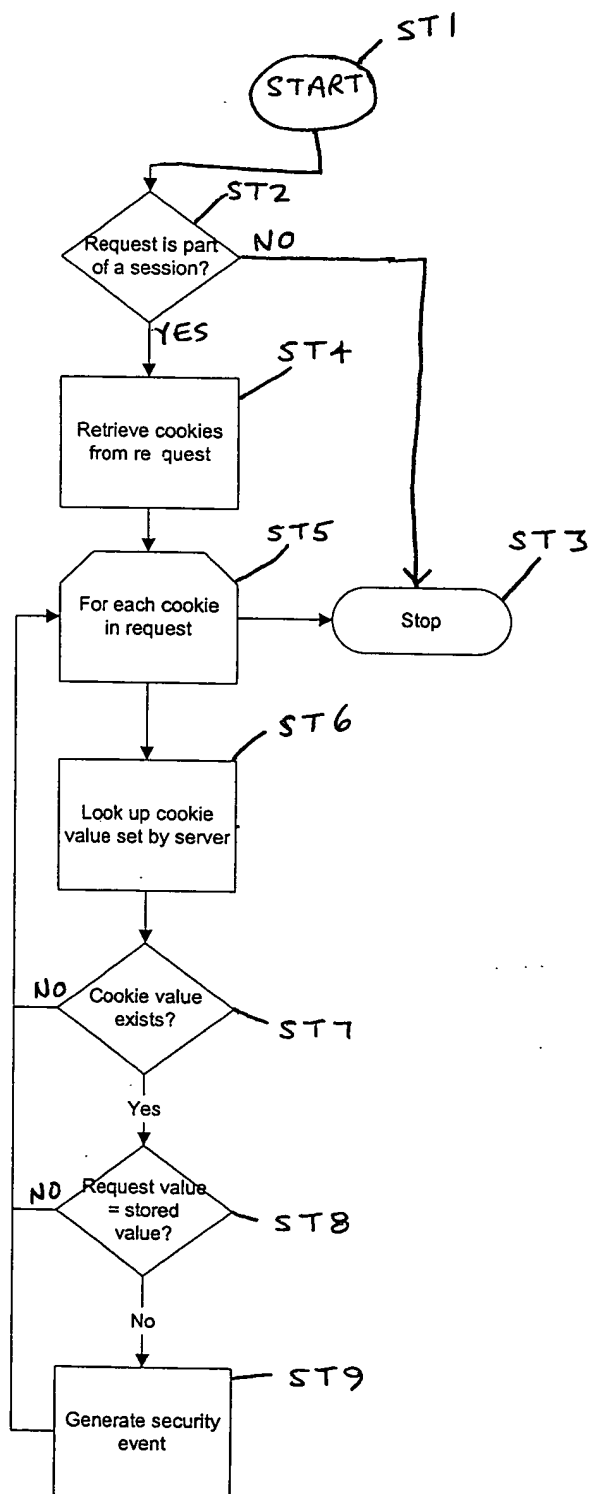


FIG. 34A

3400  
↓

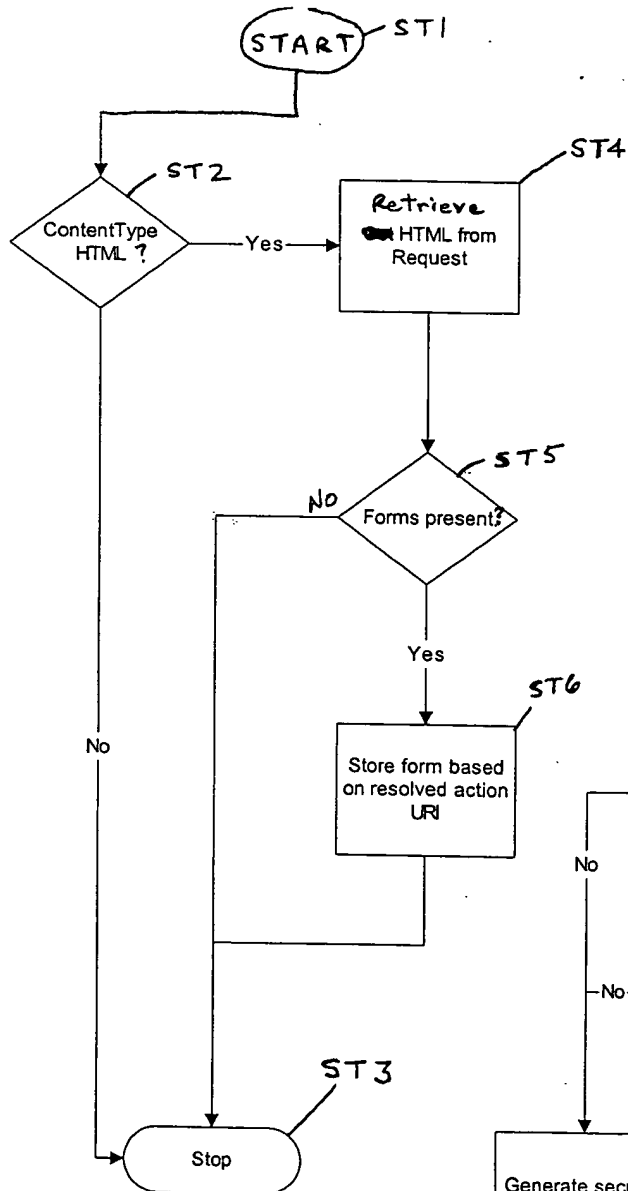


FIG. 34B

3402  
↓

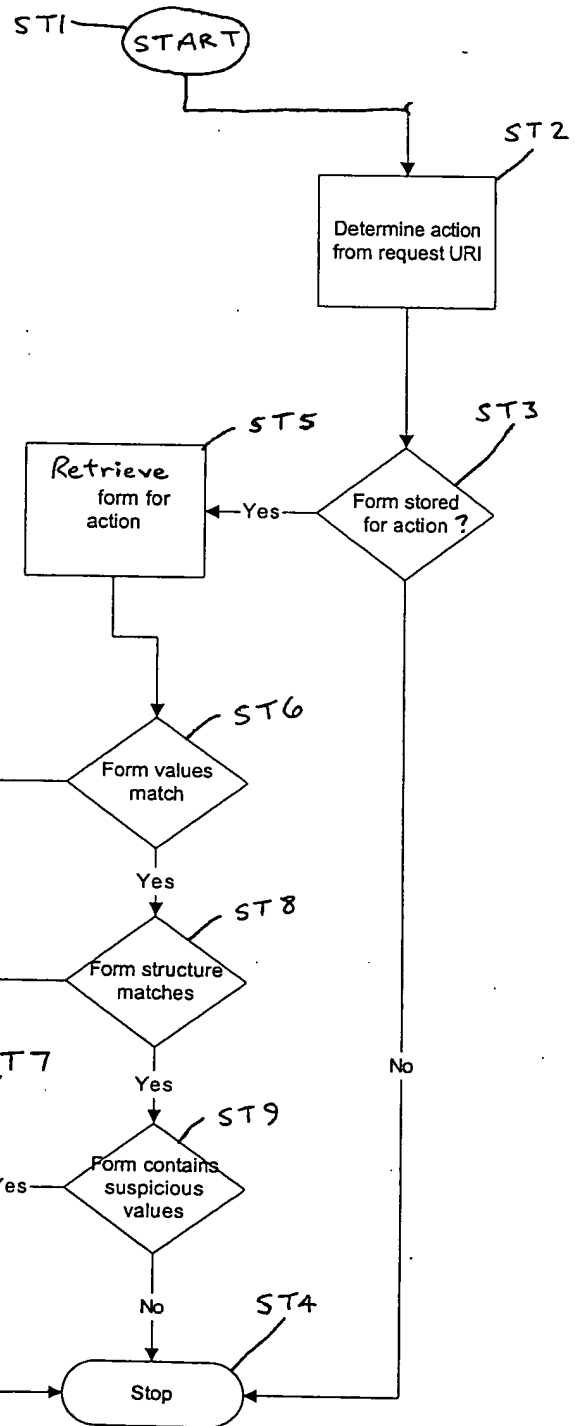


FIG. 35

3500

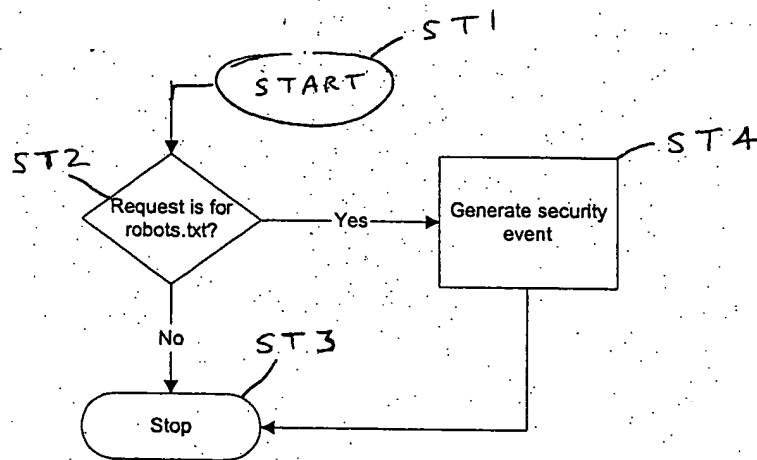




FIG. 36

3600  
↓

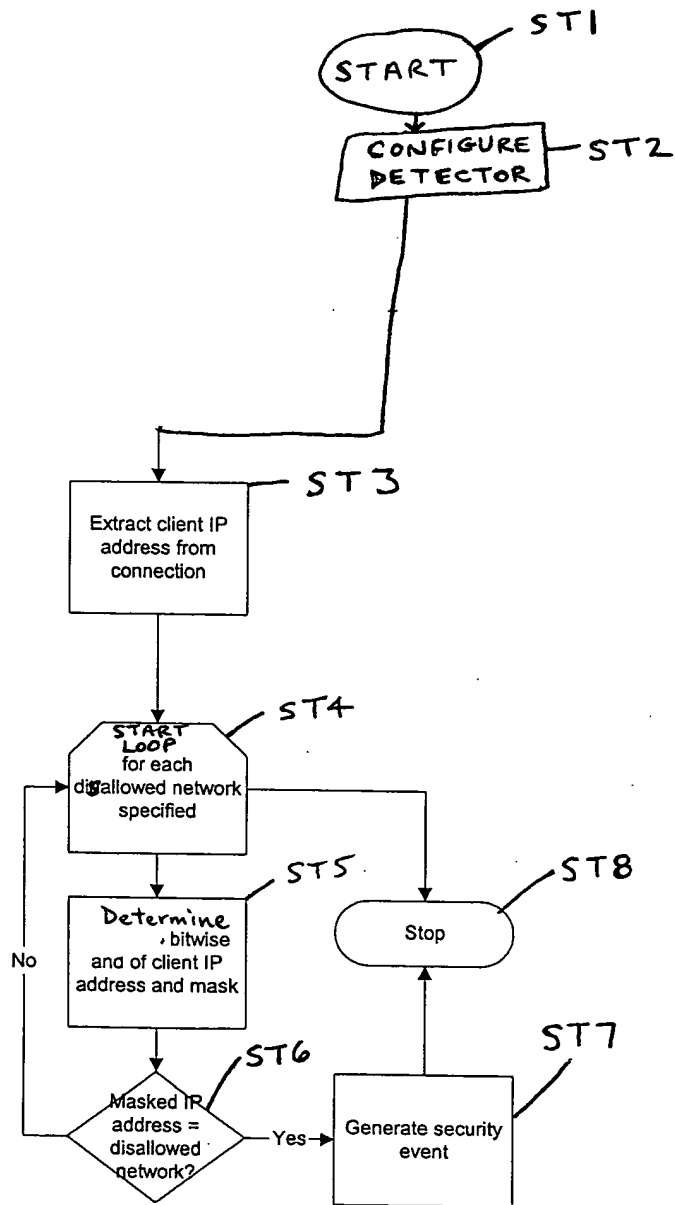


FIG. 37

3700  
↓

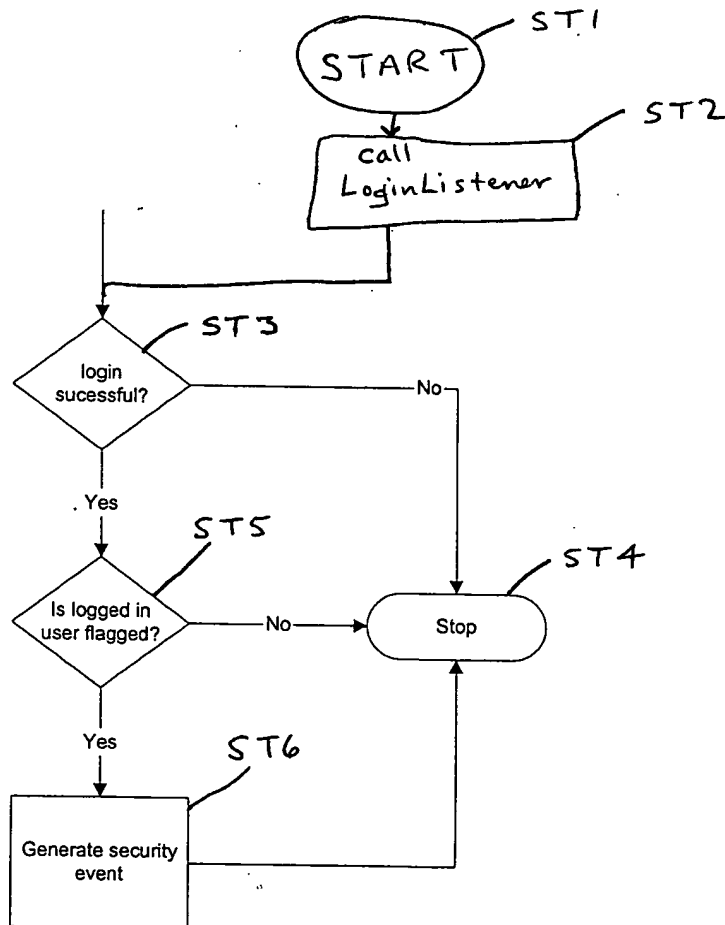


FIG. 38

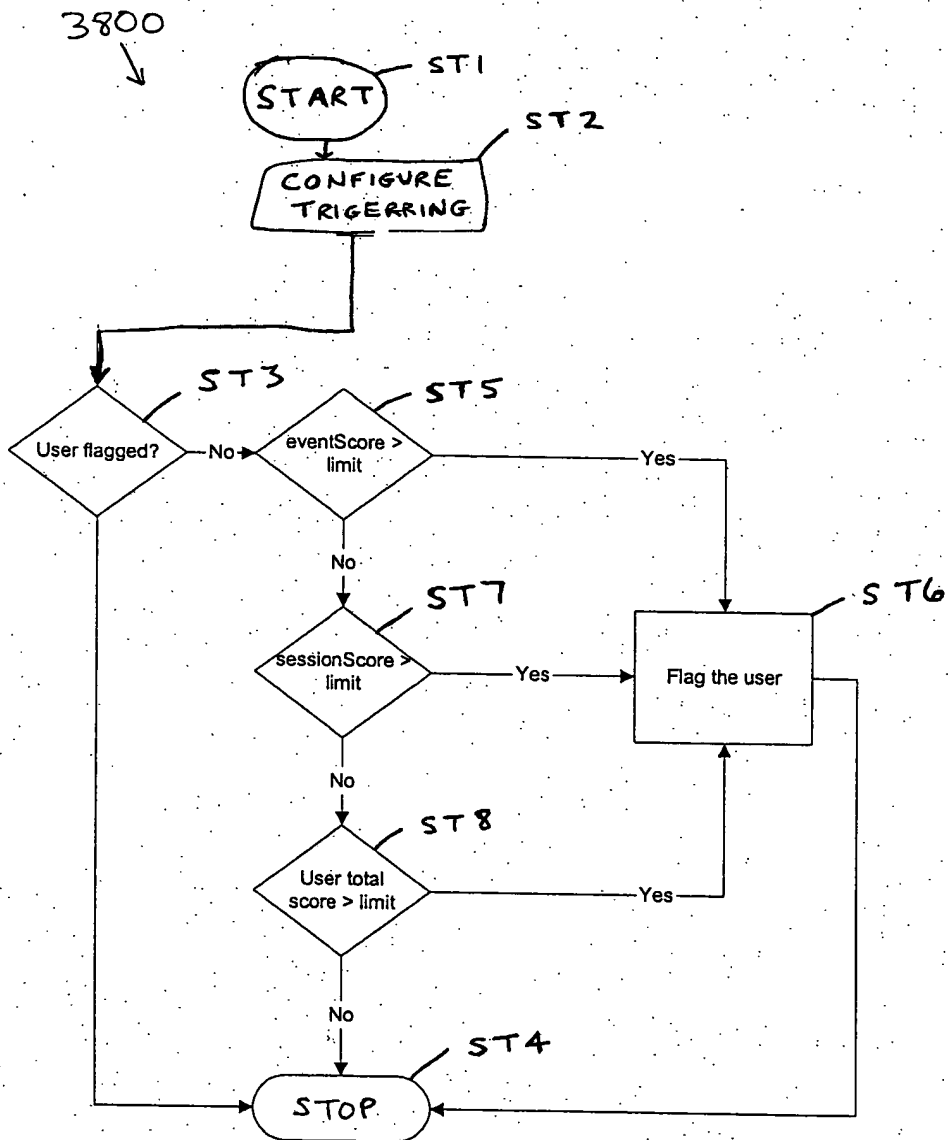


FIG.  
39

APR TPS USER

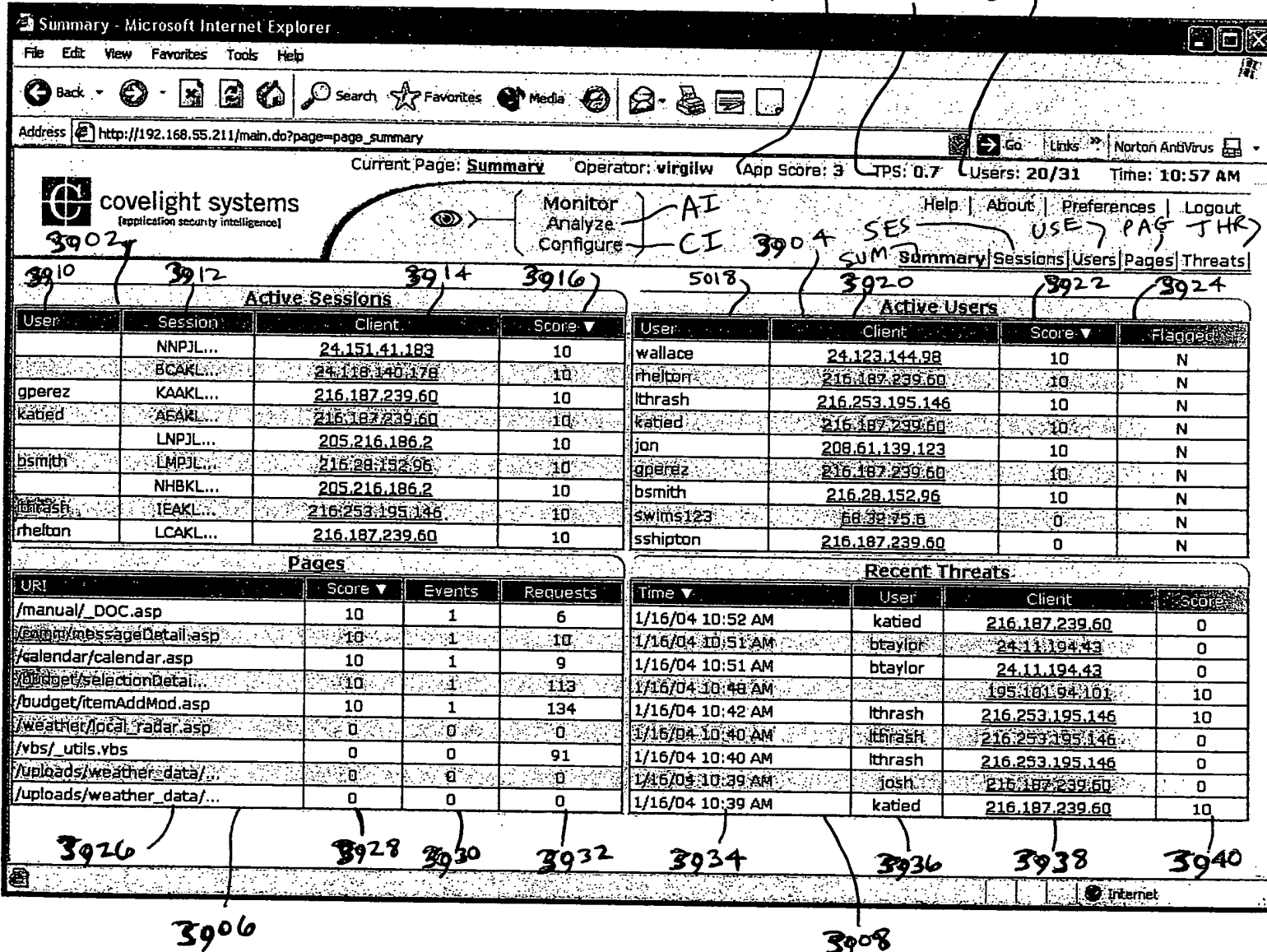
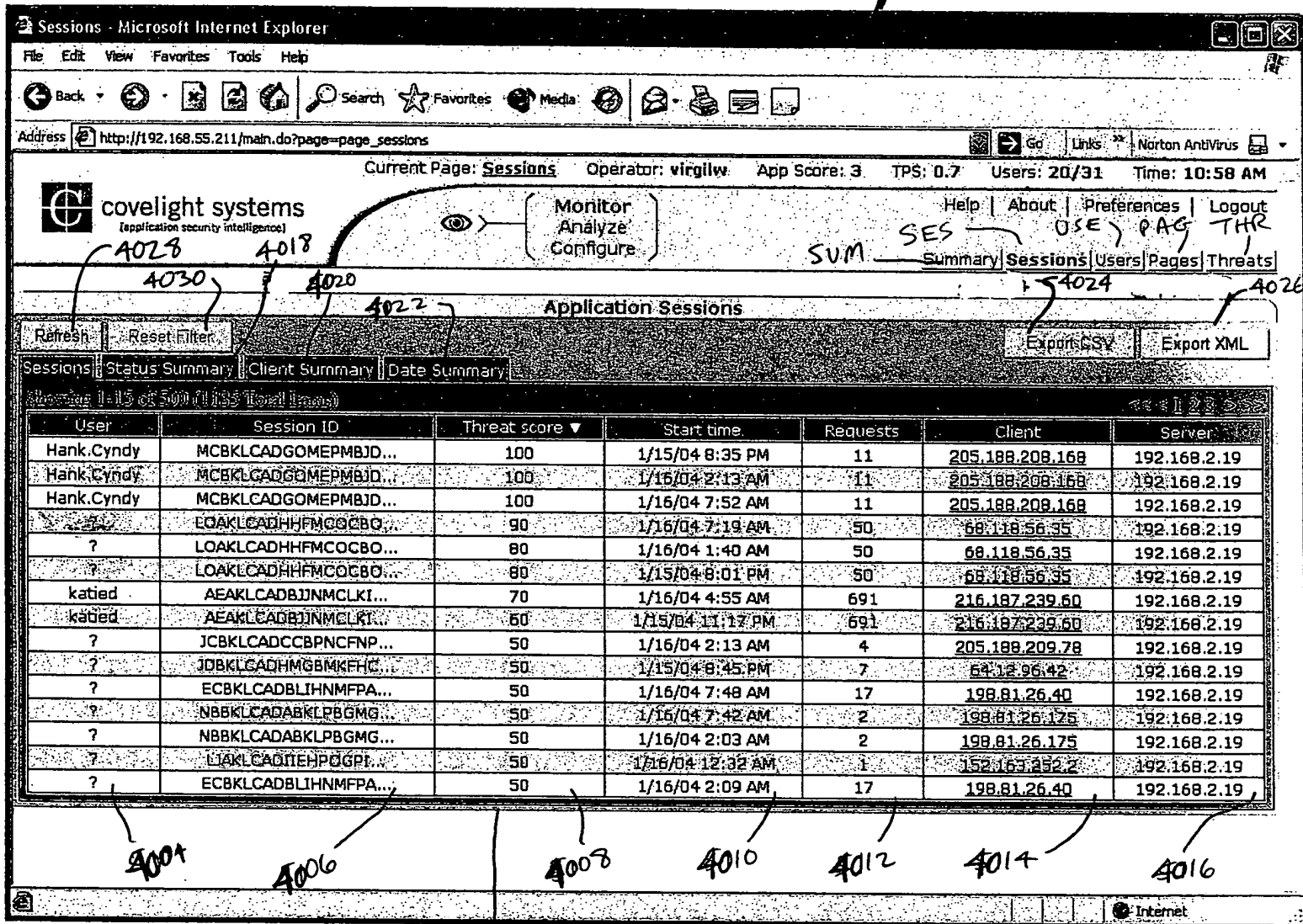


FIG.  
40A

4000





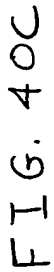






FIG.  
41

4100


Session Detail - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS Feeds

Address [http://192.168.55.211/page\\_sessions.do?rowlink=1074216912834120&tableindex=0&tableid=page\\_sessions\\_table](http://192.168.55.211/page_sessions.do?rowlink=1074216912834120&tableindex=0&tableid=page_sessions_table) Go Links Norton AntiVirus

Current Page: [Sessions](#) / [Session Detail](#) Operator: [virgilw](#) App Score: 3 TPS: 0.4 Users: 20/31 Time: 11:04 AM

 **covelight systems**  
(application security intelligence)

 [Monitor](#)  
[Analyze](#)  
[Configure](#)

[Help](#) | [About](#) | [Preferences](#) | [Logout](#)

SUM SES USE PAG THR  
[Summary](#) | [Sessions](#) | [Users](#) | [Pages](#) | [Threats](#)

### Session Detail

Session: <a href="#">MCBKLCADGOMEPMBJDMNCAEON</a> 1/500: <a href="#">Next</a>	
User: <a href="#">Hank.Cyndy</a> (Search)	Login Method: <a href="#">Login Form</a>
Start Time: <a href="#">1/15/04 8:35 PM</a>	Last Accessed Time: <a href="#">1/15/04 8:36 PM</a>
Client IP Address: <a href="#">205.188.208.168</a> (Search)	Server IP Address: <a href="#">192.168.2.19</a>
Session Threat Score: <a href="#">100</a>	Request Count: <a href="#">11</a>
Threats: <a href="#">4</a>	
<a href="#">View Transactions</a>	<a href="#">View Threats</a>

Done Internet

4102

4104

FIG.

4200

42

Users - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS

Address [http://192.168.55.211/mah.do?page=page\\_users](http://192.168.55.211/mah.do?page=page_users) Go Links Norton Antivirus

Current Page: Users Operator: virgilw App Score: 3 TPS: 0.5 Users: 20/31 Time: 10:58 AM

covelight systems  
(application security intelligence)

Help | About | Preferences | Logout

Summary Sessions Users Pages Threats

Application Users

Refresh Reset Filter Export CSV Export XML

Users | Flagged Summary | Client Summary | Last Login Summary

Showing 1-13 of 31 (31 Total Items)

	User	Current Score ▼	Max Score	Total Score	Total Requests	Avg Requests	Client	Flagged
<input type="checkbox"/>	wallace	10	10	50	82	13	24.123.144.98	N
<input type="checkbox"/>	rhelton	10	20	40	60	20	216.187.239.60	N
<input type="checkbox"/>	lthrash	10	30	100	520	57	216.253.195.146	N
<input type="checkbox"/>	kabed	10	70	80	1382	172	216.187.239.60	N
<input type="checkbox"/>	jon	10	25	50	888	296	208.61.139.123	N
<input type="checkbox"/>	qperaz	10	20	40	212	70	216.187.239.60	N
<input type="checkbox"/>	bsmith	10	20	40	258	86	216.28.152.96	N
<input type="checkbox"/>	swims123	0	10	20	124	41	68.32.75.6	N
<input type="checkbox"/>	sshington	0	10	20	36	12	216.187.239.60	N
<input type="checkbox"/>	sdarden	0	10	20	78	26	198.143.244.44	N
<input type="checkbox"/>	scavender	0	10	30	15	5	216.187.239.60	N
<input type="checkbox"/>	rwarburton	0	40	160	506	46	216.187.239.60	N
<input type="checkbox"/>	mtaylor	0	20	50	598	149	66.180.103.154	N

Reset Delete Search

Internet

4204

4206

4208

4210

4212

4214

4216

4218

4202

FIG. 43

4300

Users - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print

Address [http://192.168.55.211/page\\_users.do?rowlink=wallace&tableindex=0&tableid=page\\_users\\_table](http://192.168.55.211/page_users.do?rowlink=wallace&tableindex=0&tableid=page_users_table) Go Links Norton AntiVirus

Current Page: **Users / User Detail** Operator: virgilw App Score: 3 TPS: 0.2 Users: 20/31 Time: 11:05 AM

**covelight systems**  
(application security intelligence)

Monitor  
Analyze  
Configure

Help | About | Preferences | Logout

SUM SES USE PAG THR  
Summary Sessions Users Pages Threats

### User Detail

User: wallace 1/31 Next>

Current Threat Score:	10	Last Login Time:	1/16/04 9:33 AM
Average Session Score:	8	Longest Session Duration:	1m 36s
Highest Session Score:	10	Average Session Duration:	52 s
Total Threat Score:	50	Total Session Time:	5m 13s
Total Threat Count:	11	Last Client IP Address:	24.123.144.98 (Search)
Total HTTP Requests:	82	Last Server IP Address:	192.168.2.19
Average HTTP Requests Per Session:	13	Active Sessions:	2
Last Reset:	Never	Total Sessions:	6

View Transactions View Threats

Flagged: ☐ Notes:  Apply

Done Internet

4302

4304

FIG.  
44

4400

Pages - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address http://192.168.55.211/main.do?page=page\_nodes

Current Page: **Pages** Operator: **virgilw** App Score: **3** TPS: **0.5** Users: **20/31** Time: **10:58 AM**

**covelight systems** (application security intelligence)

Monitor Analyze Configure

Help | About | Preferences | Logout

Summary Sessions Users Pages Threats

Application Pages

Refresh Reset Filter Export CSV Export XML

Pages | Flagged Summary | Content-Type Summary | Last Accessed Summary

Showing 1-10 of 232 Total Items

Page	Current Score	Average Score	Threat Count	Request Count	Avg Requests	...
<input type="checkbox"/> /manual/_DOC.asp	10	1	1	6	184	N
<input type="checkbox"/> /comm/messageDetail.asp	10	2	1	10	1140	N
<input type="checkbox"/> /calendar/calendar.asp	10	26	1	9	158	N
<input type="checkbox"/> /budget/selectionDetail.asp	10	3	1	113	3839	N
<input type="checkbox"/> /budget/itemAddMod.asp	10	1	1	134	1696	N
<input type="checkbox"/> /weather/local_radar.asp	0	0	0	0	0	N
<input type="checkbox"/> /vbs/_utils.vbs	0	0	0	91	1	N
<input type="checkbox"/> /uploads/weather_data/icons/88.gif	0	0	0	0	0	N
<input type="checkbox"/> /uploads/weather_data/icons/87.gif	0	0	0	0	0	N
<input type="checkbox"/> /uploads/weather_data/icons/85.gif	0	0	0	5	0	N

Delete Selected Reset All Search

Last Reset: Never

Current Interval Ends At: 1/16/04 11:00 AM

Internet

4428

4430

4412 4414

FIG.

45

4500


Page Detail - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address [http://192.168.55.211/page\\_nodes.do?rowlink=%2Fmanual%2F\\_DOC.asp&tableIndex=0&tableId=page\\_nodes\\_table](http://192.168.55.211/page_nodes.do?rowlink=%2Fmanual%2F_DOC.asp&tableIndex=0&tableId=page_nodes_table) Go Links Norton AntiVirus

Current Page: **Pages / Page Detail** Operator: virgilw App Score: 3 TPS: 1.2 Users: 20/31 Time: 11:05 AM

 **covelight systems**  
(application security intelligence)

 **Monitor**  
Analyze  
Configure

Help | About | Preferences | Logout

SUM (SES, USE, PAG, THR)  
Summary | Sessions | Users | Pages | Threats

---

**Page Detail**

Page: /manual/\_DOC.asp 1/252 Next

Content-Type:	text/html (Search)	Max Interval Score:	10
Total Score:	30	Interval Score:	0
Total Threat Count:	3	Interval Threat Count:	0
Total Request Count:	88	Interval Request Count:	0
Average Score:	1	Average Response Time:	0
Interval Count:	19	Previous Interval Score:	10
Last Accessed:	1/16/04 10:16 AM		

[View Transactions](#) [View Threats](#) Flagged: ☐ [Apply](#)

Last Reset: Never  
Current Interval Ends At: 1/16/04 12:00 PM

Done Internet

4502

4504

FIG.  
46A

4600

Threats - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS

Address [http://192.168.55.211/main.do?page=page\\_events](http://192.168.55.211/main.do?page=page_events) Go Links Norton AntiVirus

Current Page: **Threats** Operator: virgilw App Score: 3 TPS: 0.5 Users: 20/31 Time: 10:58 AM

**covelight systems**  
Application security intelligence

Help | About | Preferences | Logout

Monitor Analyze Configure

Summary Sessions Users Pages Threats

Refresh Reset Filter Export CSV Export XML

Threats Detector Summary Page Summary Client Summary Server Summary Date Summary

Showing 1-15 of 104 Total Items

Timestamp	Score	Detector	Request URI	User	Flagged	Client
1/15/04 11:53 PM	20	Simultaneous login	/project/project.asp	rwarburton	N	216.187.239.60
1/15/04 11:45 PM	10	Login time does not match acceptable window	/auth/login.asp	rwarburton	N	65.140.140.189
1/15/04 11:45 PM	0	User login	/auth/login.asp	rwarburton	N	65.140.140.189
1/15/04 11:35 PM	10	Login time does not match acceptable window	/auth/login.asp	katied	N	216.187.239.60
1/15/04 11:35 PM	0	User login	/auth/login.asp	katied	N	216.187.239.60
1/15/04 11:33 PM	10	Login time does not match acceptable window	/auth/login.asp	btaylor	N	24.11.194.43
1/15/04 11:33 PM	0	User login	/auth/login.asp	btaylor	N	24.11.194.43
1/15/04 11:33 PM	10	Login time does not match acceptable window	/auth/login.asp	btaylor	N	24.11.194.43
1/15/04 11:33 PM	0	User login	/auth/login.asp	btaylor	N	24.11.194.43
1/15/04 11:31 PM	10	Web crawler	/robots.txt	?	N	195.101.94.101
1/15/04 11:23 PM	10	Login time does not match acceptable window	/auth/login.asp	lthrash	N	216.253.195.146
1/15/04 11:23 PM	0	User login	/auth/login.asp	lthrash	N	216.253.195.146
1/15/04 11:23 PM	10	Login time does not match acceptable window	/auth/login.asp	lthrash	N	216.253.195.146
1/15/04 11:23 PM	0	User login	/auth/login.asp	lthrash	N	216.253.195.146
1/15/04 11:22 PM	10	Login time does not match acceptable window	/auth/login.asp	josh	N	216.187.239.60

Internet

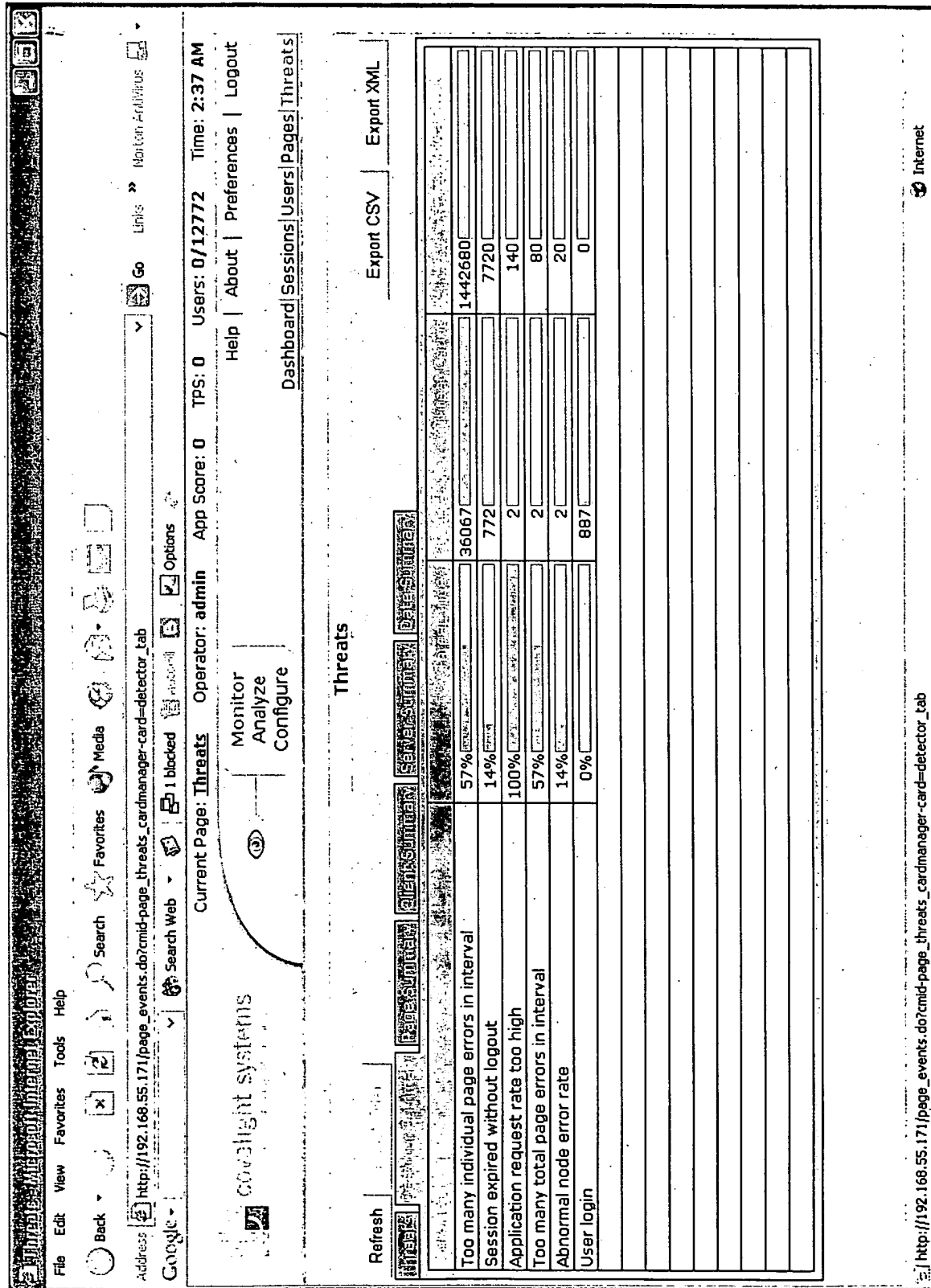
4602

4612 4614

4616

FIG. 46B

4632









The screenshot displays a web application interface for monitoring server threats. The interface is organized into several sections:

- Navigation Bar:** Located at the top, it includes links for Home, Threats, Sessions, Users, Pages, and Threats. It also features a search bar and a 'Go' button.
- Current Page:** The current page is 'Threats', with the operator 'admin' and application score '0'.
- Threats Table:** A table listing threats with columns for IP address, status, and count. The table contains one row with the IP address '192.168.50.12:80' and a count of '0'.
- Monitor, Analyze, Configure:** A sidebar on the right containing links for 'Monitor', 'Analyze', and 'Configure'.
- Status Bar:** The bottom status bar shows 'Done' and 'Internet'.

IP Address	Status	Count
192.168.50.12:80	0%	0



FIG.

4700 47


Threat Detail - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print Mail

Address [http://192.168.55.211/page\\_events.do?rowlink=1074228788814103&tableindex=0&tableid=page\\_threats\\_table](http://192.168.55.211/page_events.do?rowlink=1074228788814103&tableindex=0&tableid=page_threats_table) Go Links Norton AntiVirus

Current Page: **Threats / Event Detail** Operator: virgilw App Score: 3 TPS: 0.4 Users: 20/31 Time: 11:06 AM

 **covelight systems**  
(application security intelligence)

 **Monitor**  
**Analyze**  
**Configure**

Help | About | Preferences | Logout

**SUM SES USE PAG THR**  
Summary Sessions Users Pages Threats

---

**Threat Detail**

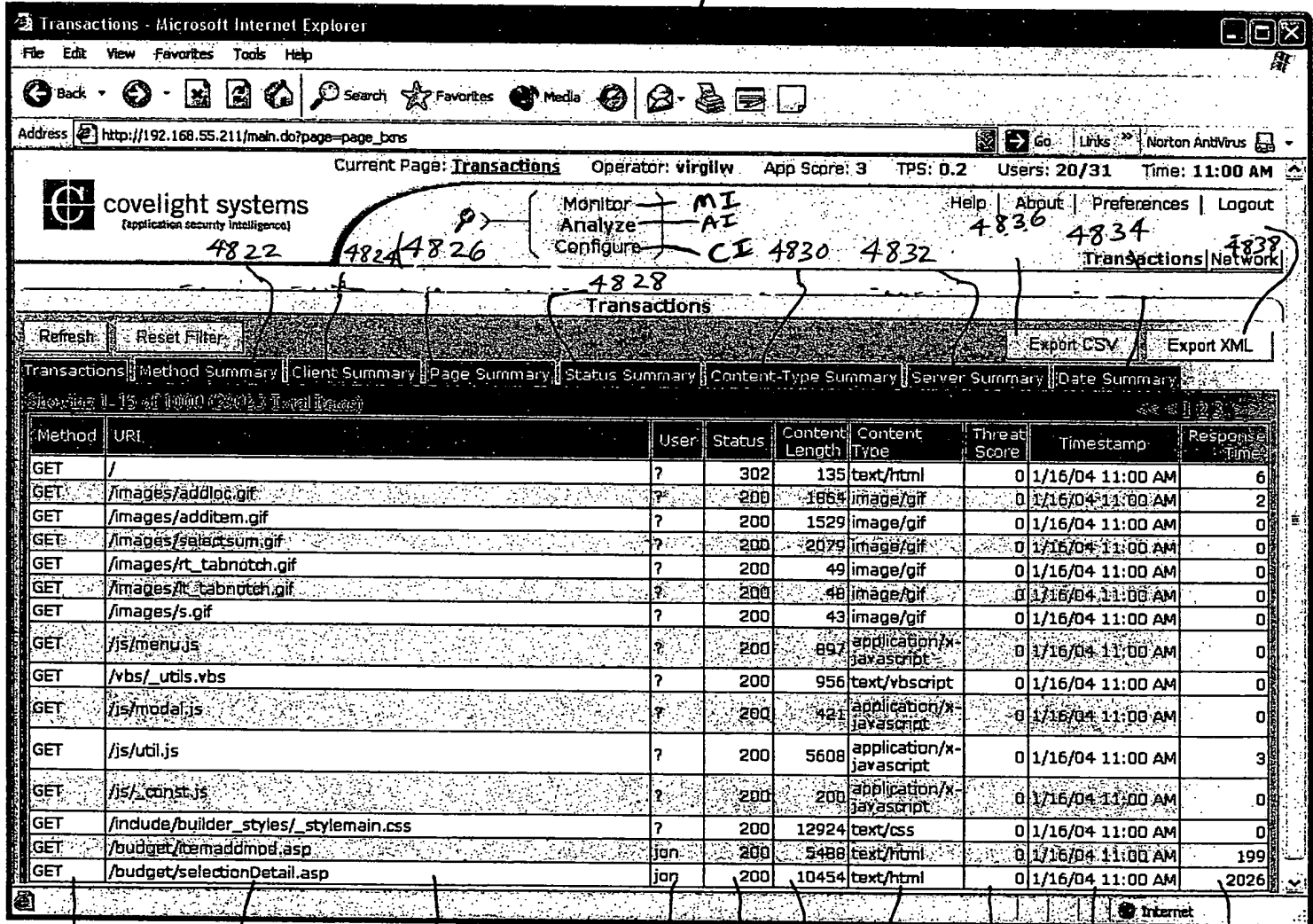
1/104 Next>

Timestamp:	1/15/04 11:53 PM
Threat score:	20
Detector:	<a href="#">Simultaneous login (Search)</a>
Description:	User is logged in twice on different sessions
Request URI:	<a href="#">/project/project.asp (Search)</a>
User:	<a href="#">rwarburton (Search)</a>
Flagged:	<input type="checkbox"/>
Session ID:	<a href="#">LDAKLCADCGLHMKMICHJKHPLO (Search)</a>
Client IP address:	<a href="#">216.187.239.60 (Search)</a>
Server IP address:	<a href="#">192.168.2.19:80 (Search)</a>

Internet

FIG. 48

4800



4804

4802

4806

4808

4810

4812

4814

4816

4818

4820

FIG. 49

4900


Transaction Detail - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS

Address [http://192.168.55.211/page\\_bns.do?rowlink=107426881090038488&tableindex=168&table=page\\_bns\\_table](http://192.168.55.211/page_bns.do?rowlink=107426881090038488&tableindex=168&table=page_bns_table) Go Links Norton AntiVirus

Current Page: [Transactions / Transaction Detail](#) Operator: [virgilw](#) App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:07 AM

 covelight systems  
(application security intelligence)

Monitor Analyze Configure

Help | About | Preferences | Logout

[Transactions](#) | [Network](#)

### Transaction Detail

Transaction: 107426881090038488 <Previous 19/1000 Next>

Timestamp:	1/16/04 11:00 AM	HTTP response:	302 (Search)
Method:	POST (Search)	Content Length:	175
URI:	/budget/ItemAddMod.asp (Search)	Content Type:	text/html (Search)
User:	1 (Search)	Server Response Time:	2.8 s
Client IP Address:	66.180.103.154 (Search)	Server IP Address:	192.168.2.19:80 (Search)
Session ID:	7 (Search)		

#### Parameters

Name	Value
IngAttachmentsCount	0
chkInventory	0
IngEventId	
txtItemDesc	co.#3
btnNewItem	False
DeleteOneAttachment	
actionType	Save
strWebLink	
IngLocationId	650189281
IngOldProjectId	560003098
oldItemID	
itemID	501077459
txtItemInfo	
IngSelectionId	600052400

Done Internet

FIG.

50

5000

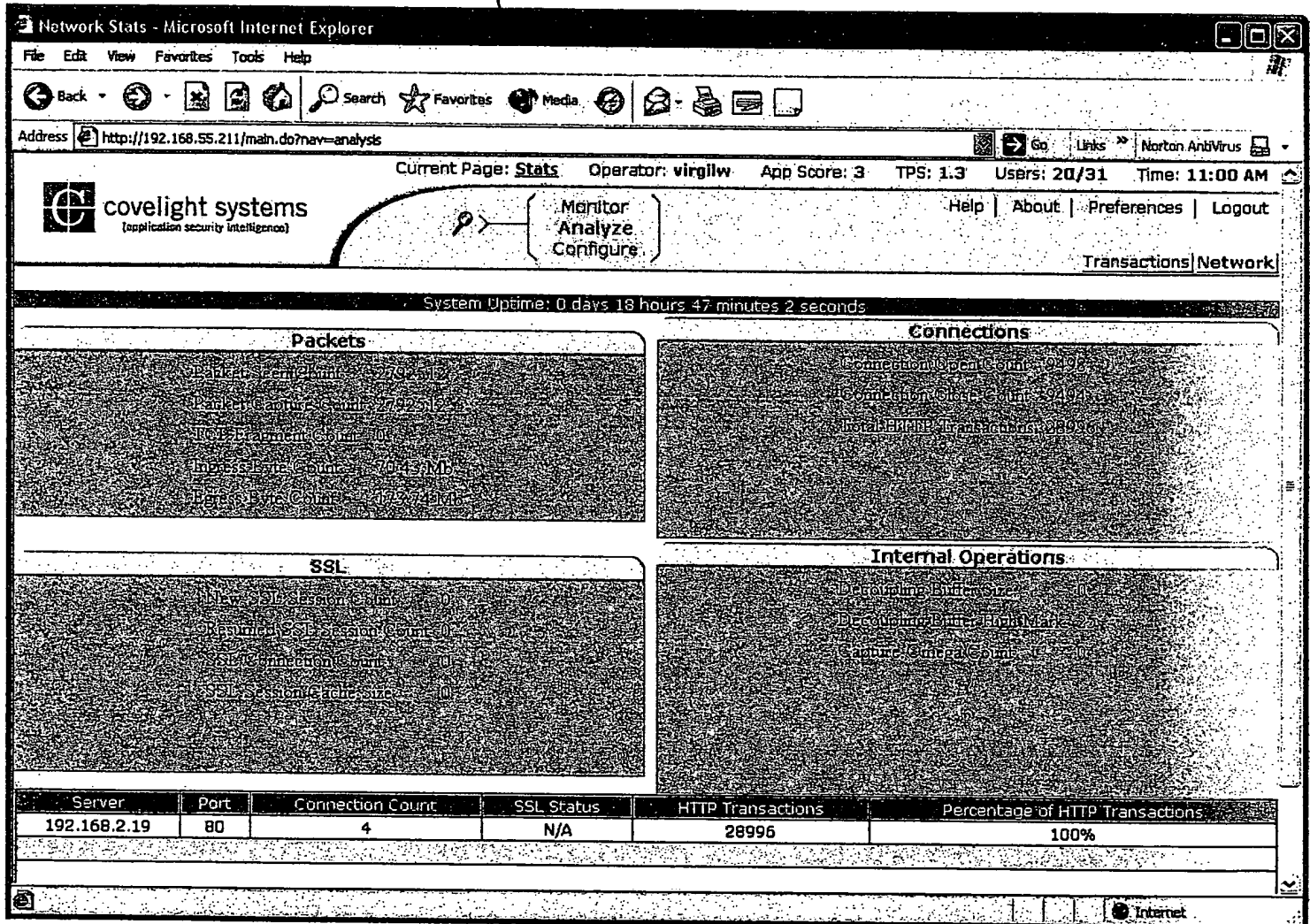


FIG. 51

5100


Preferences - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address http://192.168.55.211/main.do?page=page\_appconfig Go Links Norton AntiVirus

Current Page: **Preferences** Operator: virgilw App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:07 AM

 **covelight systems**  
(application security intelligence)

Monitor Analyze Configure

Help | About | Preferences | Logout

Application | Appliance | Detection | Operators | Save Points

---

**Change Password**

Current Password:

New Password:

Confirm Password:

Apply

**Interface Settings**

Table Size:

Refresh Rate:  ☒ Second

Apply

Internet

5102

5104



FIG. 52

5200


Appliance - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail News RSS Feeds

Address [http://192.168.55.211/page\\_sensorcfg.do?cmid-page\\_cfg&appliance\\_cardmanager1-card=network\\_tab](http://192.168.55.211/page_sensorcfg.do?cmid-page_cfg&appliance_cardmanager1-card=network_tab) Go Links Norton AntiVirus

Current Page: **Appliance** Operator: **virgilw** App Score: 4 TPS: 0.3 Users: 20/31 Time: 11:10 AM

 **covelight systems**  
(Application security intelligence)

Help | About | Preferences | Logout

Application | **Appliance** | Detection | Operators | Save Points

Control | **Network** | Time | Firmware | SMTP Server

IP Address	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Netmask	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Gateway	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Primary DNS	<input type="text" value="192"/>	<input type="text" value="168"/>	<input type="text" value="55"/>	<input type="text" value="240"/>
Secondary DNS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Enable <input checked="" type="checkbox"/>	HTTP Port		<input type="text" value="80"/>	
Enable <input checked="" type="checkbox"/>	HTTPS Port		<input type="text" value="443"/>	
<input type="button" value="Apply and Reboot Sensor"/>				

Internet

5202

FIG. 53

5300


Appliance - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address [http://192.168.55.211/page\\_sensorcfg.do?cmid-page\\_cfgappliance\\_cardmanager1-card-smtpserversettings\\_tab](http://192.168.55.211/page_sensorcfg.do?cmid-page_cfgappliance_cardmanager1-card-smtpserversettings_tab) Go Links Norton AntiVirus

Current Page: **Appliance** Operator: virgilw App Score: 4 TPS: 1.7 Users: 23/31 Time: 11:28 AM

 **covelight systems**  
(application security intelligence)

Monitor Analyze Configure

Help | About | Preferences | Logout

Application | **Appliance** | Detection | Operators | Save Points

Control | Network | Time | Firmware | **SMTP Server**

SMTP Server:

Username:

Password:

From Name:

From Address:

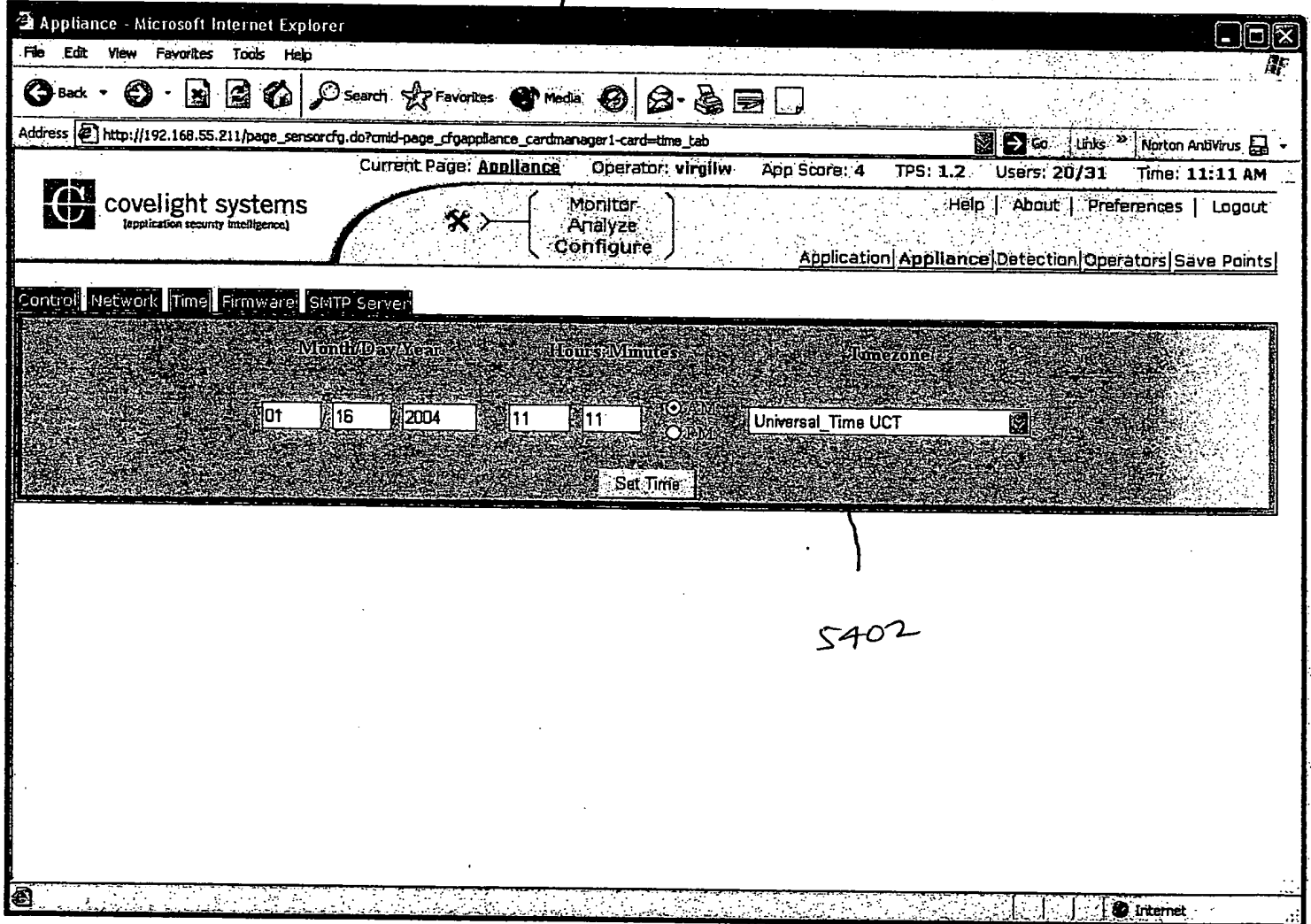
Enable Reply before send: ☐

Apply

Internet

FIG. 54

5400



5402

FIG. 55  
5500

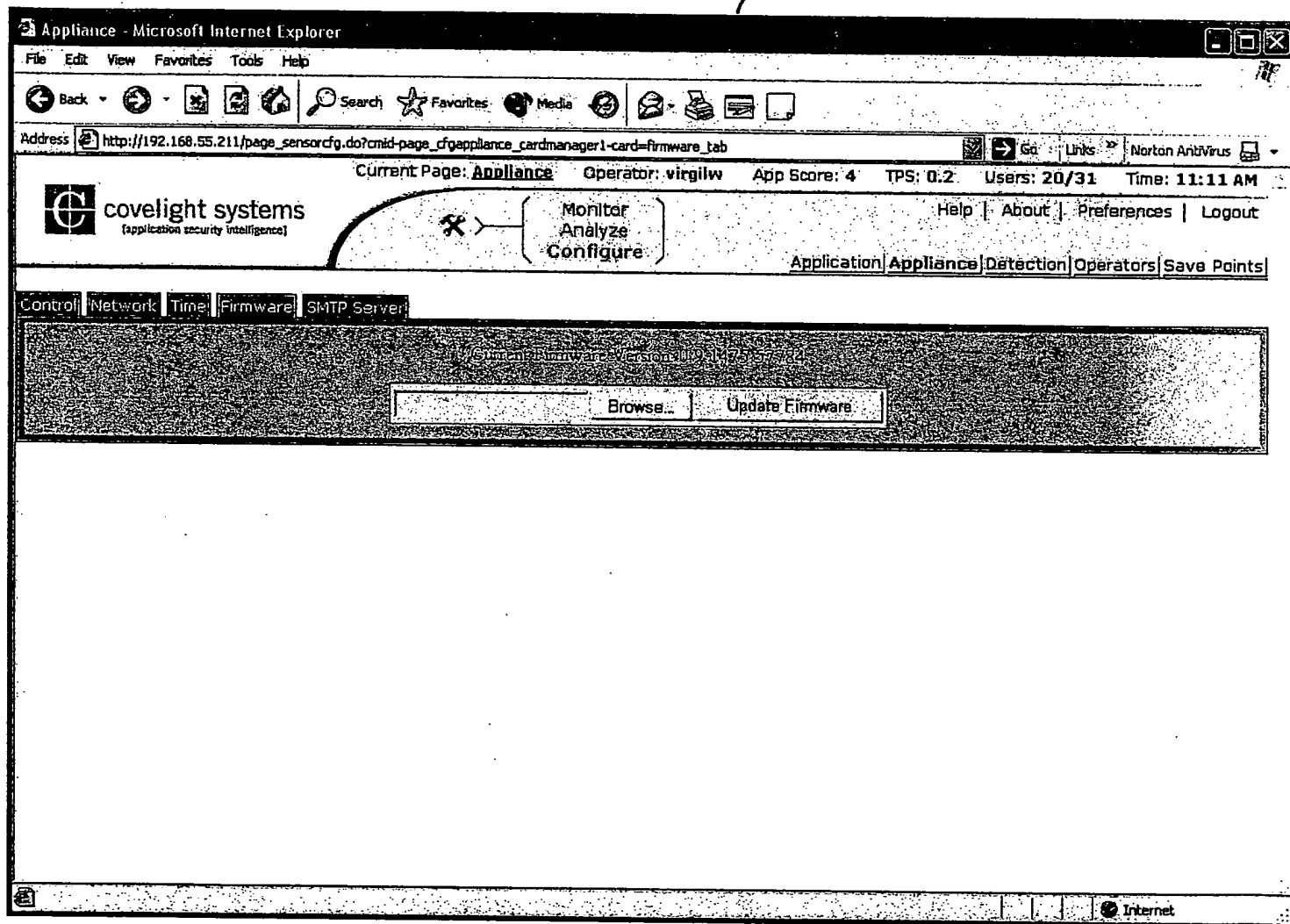
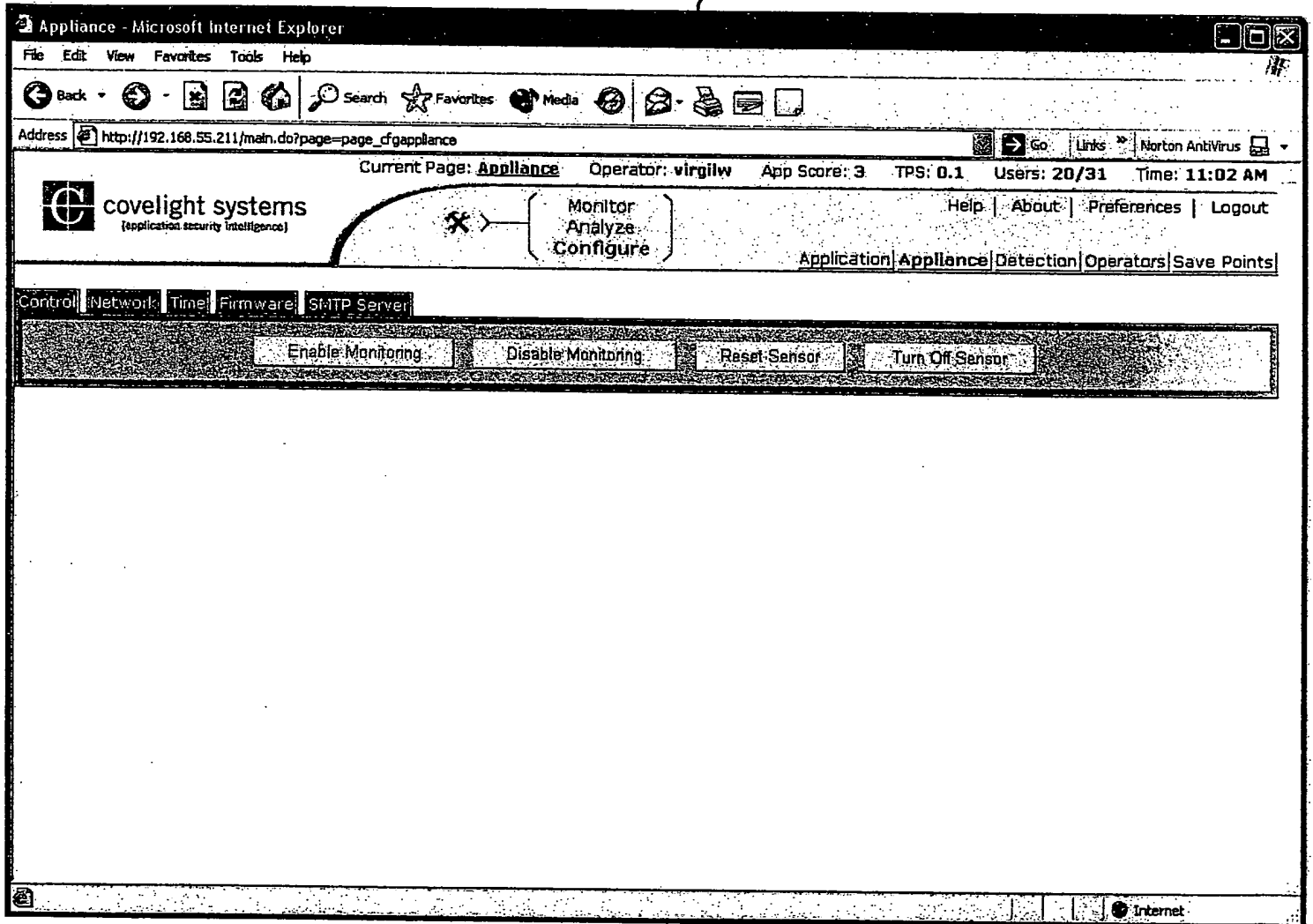


FIG. 56

5600



5700

5702

5704

5706

FIG. 58

5800

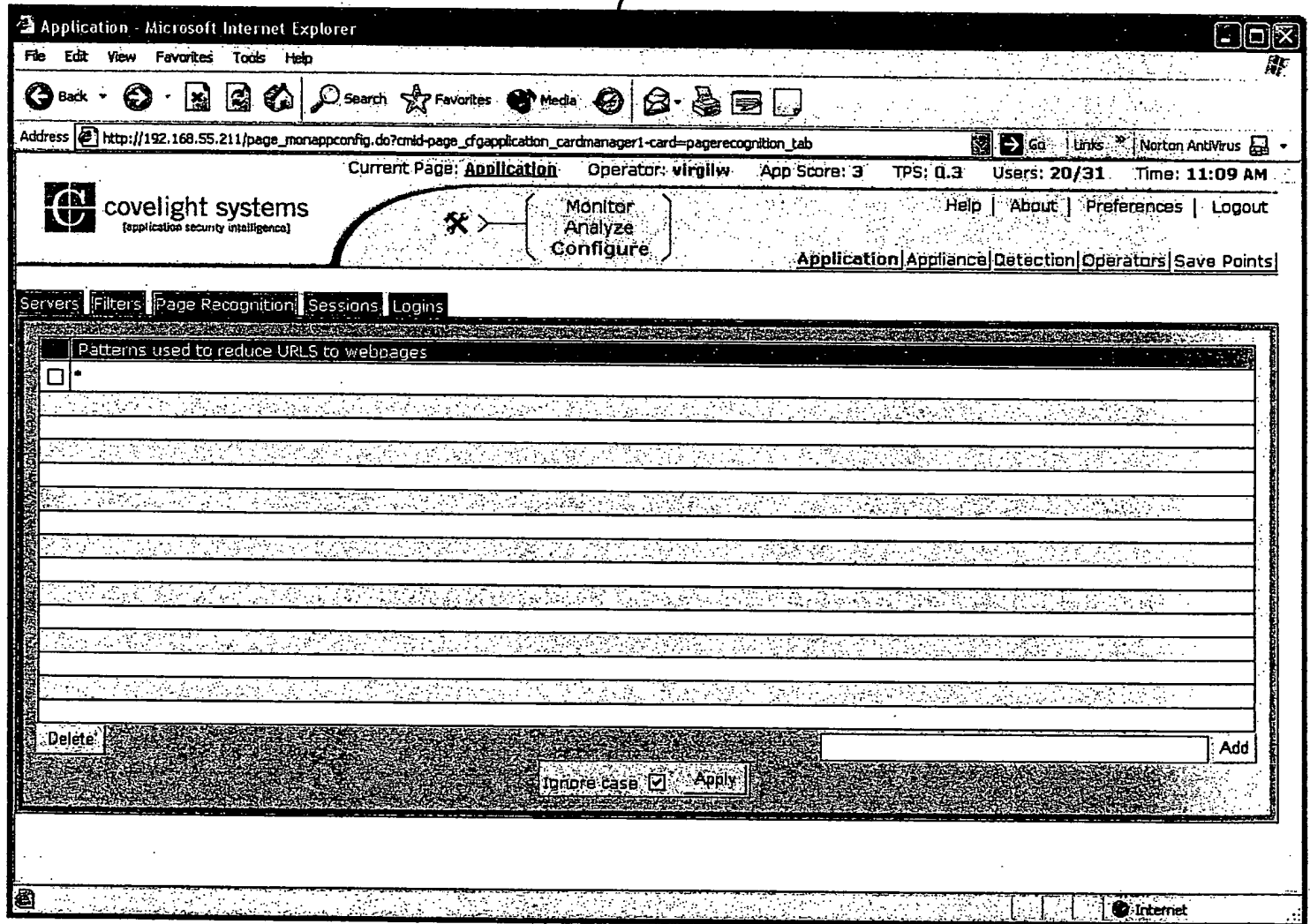


FIG. 59

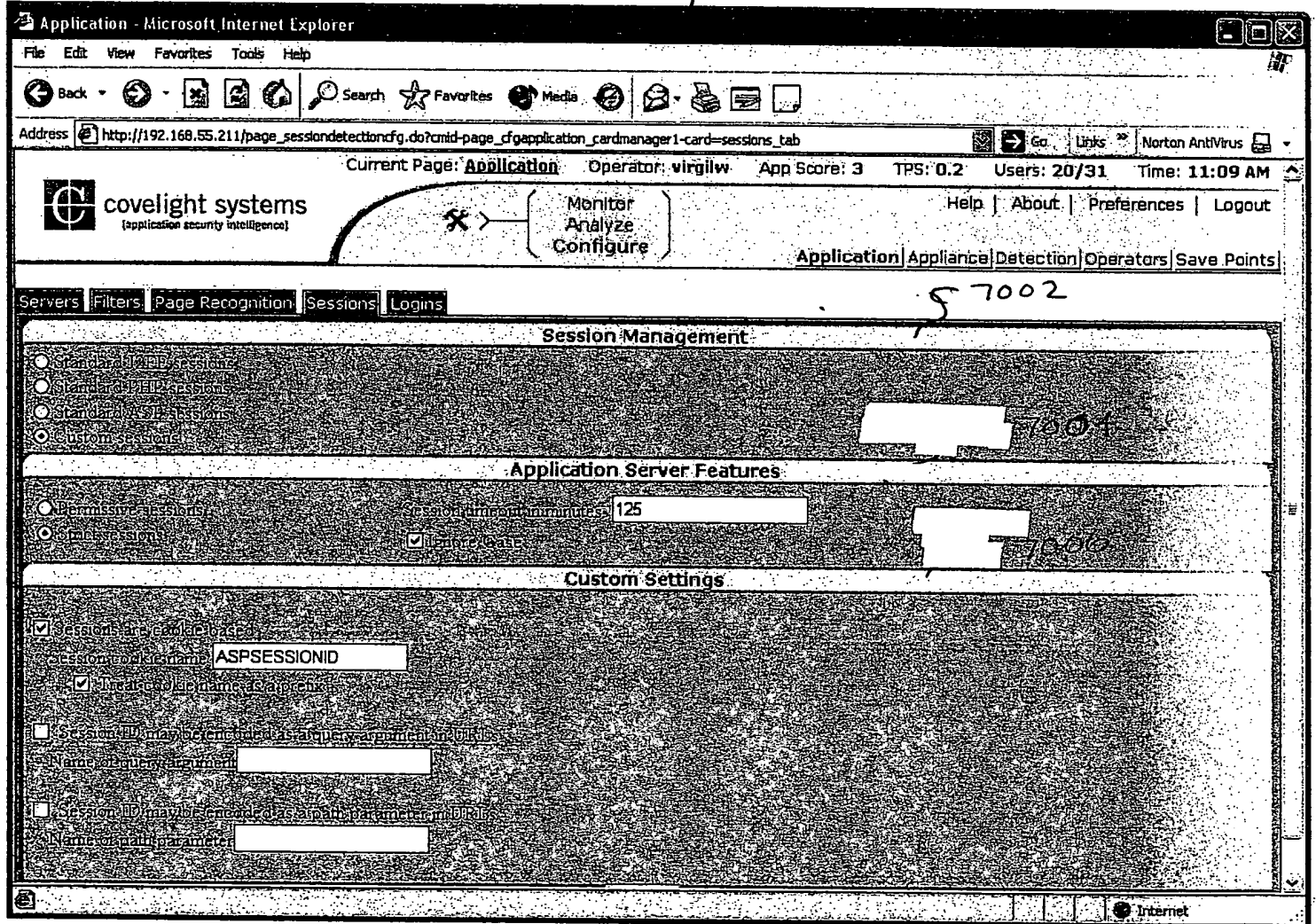




FIG. 60

6000

Application - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address http://192.168.55.211/page\_loginDetectionCfg.do?cmd=page\_cfgapplication\_cardmanager1-card-logins\_tab

Current Page: **Application** Operator: virgilw App Score: 3 TPS: 0.2 Users: 20/31 Time: 11:10 AM

covelight systems  
[application security intelligence]

Monitor Analyze Configure

Help About Preferences Logout

Application | Appliance | Detection | Operators | Save Points

Servers | Filters | Page Recognition | Sessions | Logins

### Form Based Login Detection

☒ Form based login

☐ Use case sensitive matching

URL pattern of login action:

Form field containing user ID:

☐ Logout page defined

URL pattern of logout action:

### Form Based Login Result

☐ Fail if login attempt is not successful

☐ Fail if login response is not equal to the following URL pattern

☐ Fail if response HTML contains the following text

☐ Successful login response is redirected to the following URL pattern

☐ Successful response HTML contains the following text

☐ Successful login response contains a session ID

Update

Internet

6002

6004

FIG. 61

6100

6102

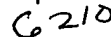
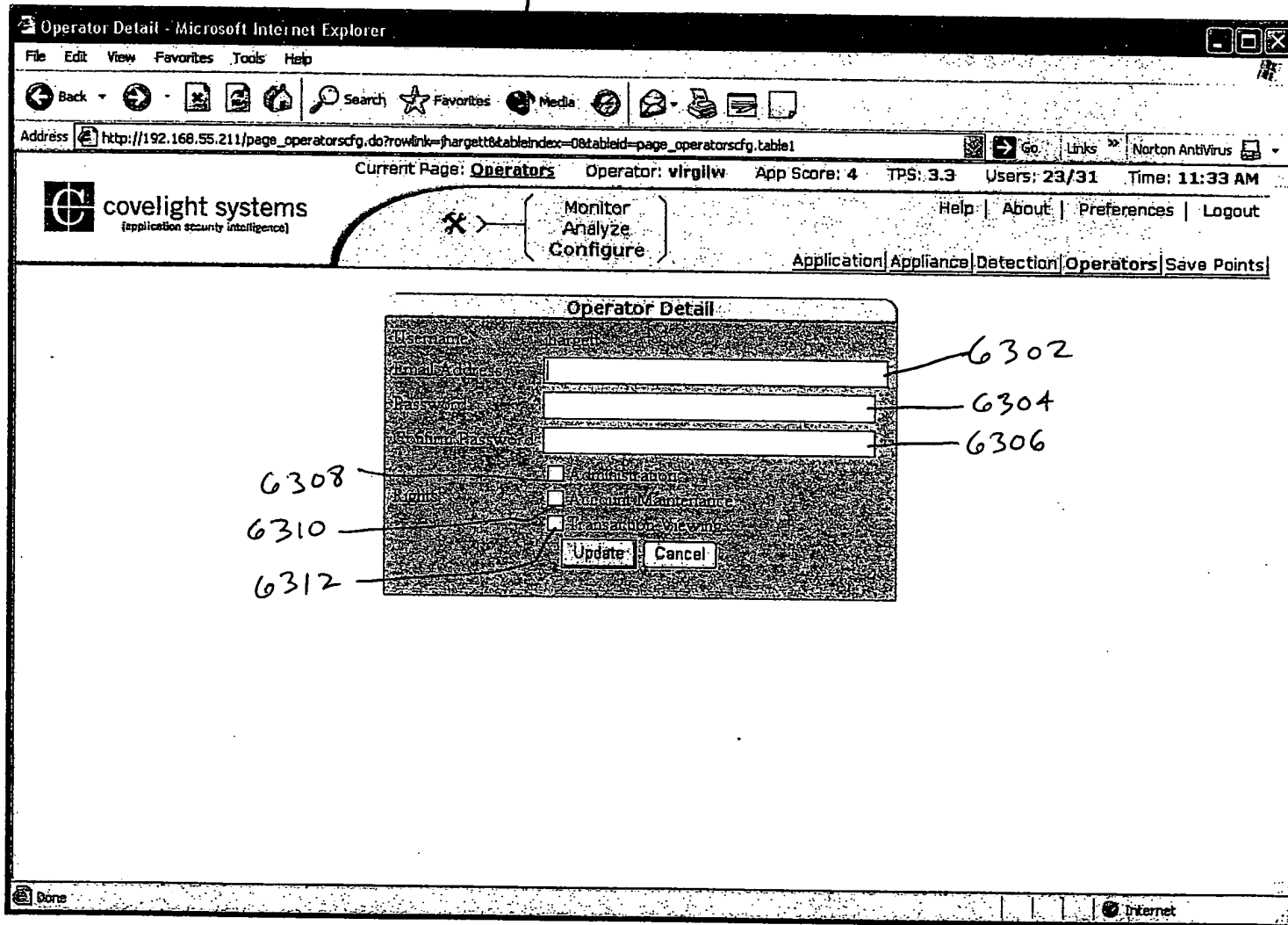


FIG. 63

6300



6400

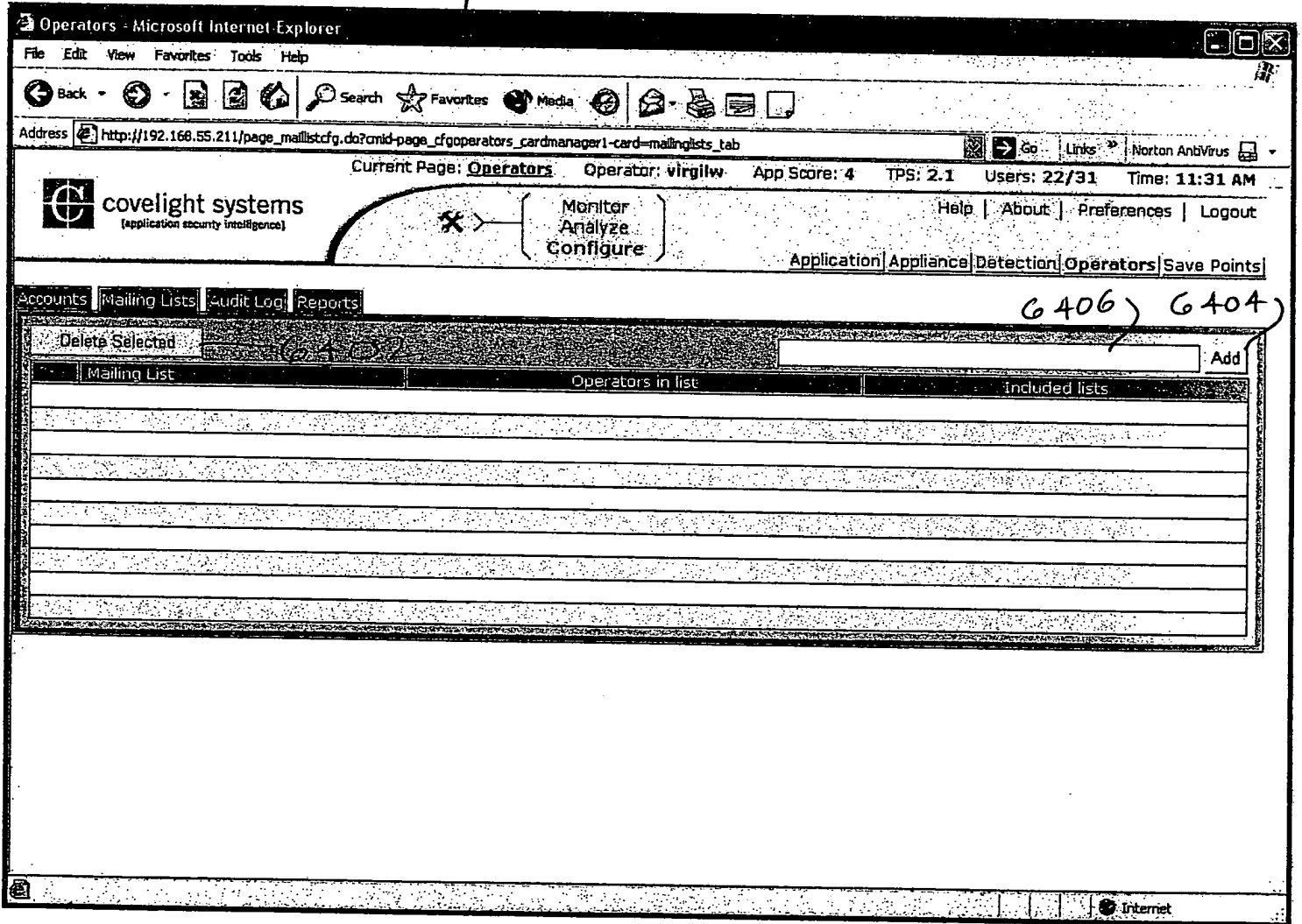


FIG. 65

6500

Operators - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://192.168.55.211/page\_operatorscfg.do?cmd=page\_cfgoperators\_cardmanager1-card=auditlog\_tab

Current Page: Operators Operator: virgilw App Score: 4 TPS: 2.9 Users: 22/31 Time: 11:32 AM

Help | About | Preferences | Logout

Application | Appliance | Detection | Operators | Save Points

Accounts | Mailing Lists | Audit Log | Reports

Refresh

Export CSV Export XML

Date	Message	IP Address	Operator
1/16/04 11:28 AM	Login successful	192.168.55.101	virgilw
1/16/04 10:57 AM	Login successful	192.168.55.101	virgilw
1/16/04 10:11 AM	Changed operator virgilw refresh rate to 30	192.168.55.17	virgilw
1/16/04 10:11 AM	Changed operator virgilw refresh rate to 30	192.168.55.17	virgilw
1/16/04 9:30 AM	Login successful	192.168.55.17	virgilw
1/16/04 9:27 AM	Login successful	192.168.55.17	virgilw
1/16/04 9:26 AM	Login successful	65.81.86.237	dmdurrett
1/16/04 8:47 AM	Login successful	192.168.55.17	virgilw
1/16/04 8:47 AM	Logout successful	65.81.86.237	dmdurrett
1/16/04 8:17 AM	Login successful	65.81.86.237	dmdurrett
1/16/04 7:37 AM	Login successful	65.81.86.237	dmdurrett
1/15/04 7:34 PM	Login successful	192.168.55.101	virgilw
1/15/04 7:34 PM	Login denied for admin	192.168.55.101	?
1/15/04 7:14 PM	Login successful	192.168.55.101	virgilw
1/15/04 6:34 PM	Login successful	192.168.55.10	dmdurrett
1/15/04 6:04 PM	Login successful	65.81.86.166	jhargett
1/15/04 5:46 PM	Login successful	65.81.86.237	admin
1/15/04 5:24 PM	Login successful	192.168.55.10	dmdurrett

Internet

FIG. 66

6600

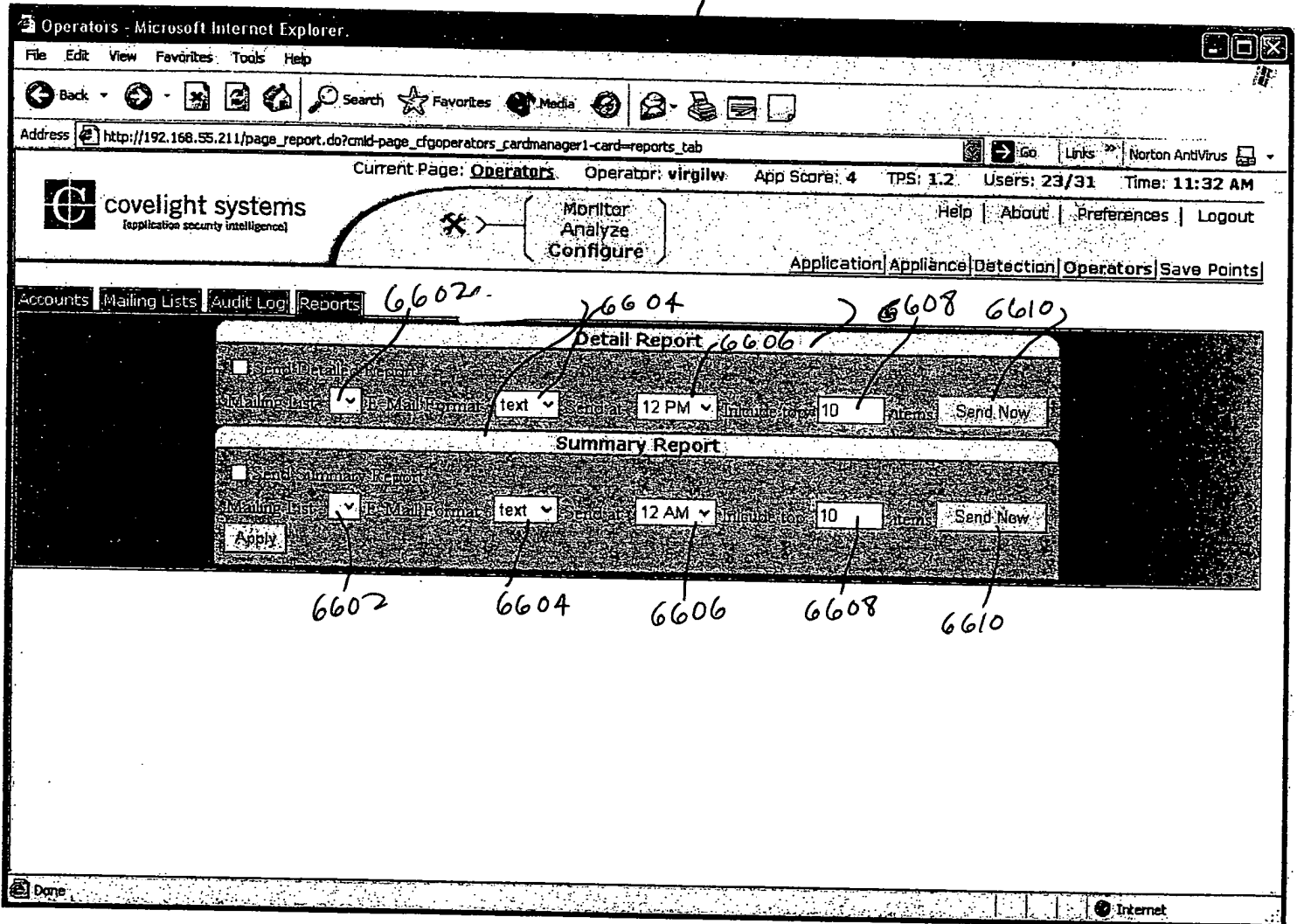


FIG. 67

6700

Detection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Mail Print

Address http://192.168.55.211/main.do?page=page\_cfgdetection

Current Page: **Detection** Operator: **virgilw** App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:02 AM

**covelight systems**  
[application security intelligence]

Monitor Analyze Configure

Help | About | Preferences | Logout

Application | Appliance | **Detection** | Operators | Save Points

Detectors | Global Scoring Adjustment | Access Lists

Showing 1 - 25 of 43

Name	Category	Score	Status
Abnormal node error rate	Application Errors	10	Working
Abnormal session duration	Application Misuse	10	Learning
Abnormal user session duration	Application Misuse	10	Working
Application request rate too high	Usage Policy	70	Working
Consecutive login failures	Authentication	30	Working
Disallowed IP address	Access Policy	10	Disabled
Encoded 8-bit character	URL Encoding	5	Working
Excessive individual HTTP errors	HTTP Protocol	40	Working
Excessive login failures	Authentication	10	Learning
Excessive total HTTP errors	HTTP Protocol	40	Working
Flagged user login	Access Policy	50	Working
HTTP buffer overflow	HTTP Protocol	80	Working
HTTP parsing error	HTTP Protocol	80	Working
Invalid % character	URL Encoding	50	Working
Invalid HTTP request	HTTP Protocol	80	Working
Invalid URL encoding	URL Encoding	80	Working
Invalid UTF-8 sequence	URL Encoding	20	Working
Invalid use of %%	URL Encoding	60	Working

6702 6704 6706 6708

Internet



FIG. 68

6800

Detector Detail - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://192.168.55.211/page\_detectors.do?rowlink=rate1%5C1&tableIndex=3&tableId=page\_detectors\_detectorTable

Current Page: **Detection / Detector Detail** Operator: virgilw App Score: 4 TPS: 0.4 Users: 23/31 Time: 11:37 AM

**covelight systems**  
(application security intelligence)

Monitor  
Analyze  
Configure

Help | About | Preferences | Logout

Application | Appliance | **Detection** | Operators | Save Points

---

**Detector Detail** <Previous 4/43> Next>

Name	Application/request rate too high
Category	Usage Policy
Description	Detects when the overall rate of HTTP requests to the application is too high. The sensor takes samples of the transaction-per-second (TPS) throughput of the monitored application. When the value is higher than expected, it might suggest that an attack is progress or that
Status	Enabled
Event Name	Application throughput (TPS) is too high
Threshold	70
<b>E-mail Alerts</b>	
Send E-mail Alerts	<input type="checkbox"/> (No distribution lists are defined)
Event Count Limit	1
Distribution List	
<b>Detector Tuning</b>	
Transaction Sample Size	1000
TPS	

Apply

Done Internet

6802

6804

6806

6808

6810

6812

FIG. 69

6900

Detection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address http://192.168.55.211/page\_timescore.do?mid-page\_cfgdetection\_cardmanager1-card-timescoring\_tab Go Links Norton AntiVirus

Current Page: **Detection** Operator: virgilw App Score: 4 TPS: 2.6 Users: 23/31 Time: 11:29 AM

**covelight systems**  
(application security intelligence)

Monitor Analyze Configure

Help | About | Preferences | Logout

Application | Appliance | **Detection** | Operators | Save Points

Detectors: Global Scoring Adjustment Access Lists

6902

6904 6906

From Day	From Hour	To Day	To Hour	Score Adjustment	Comment
<input type="checkbox"/> Monday	8 AM	Monday	8 PM	50%	Normal working hours - Monday
<input type="checkbox"/> Friday	9 PM	Sunday	7 AM	500%	No one should be working during these hours - dmp

6908 6910 6912 6914

6916

Delete: From: Friday 6 PM To: Sunday 8 AM Adjustment %: 100 Comment:

Add Adjustment

6918

Internet

7000

7006

7008

